MITSUBISHI ELECTRIC

SPLIT-TYPE,HEAT PUMP AIR CONDITIONERS
SPLIT-TYPE,AIR CONDITIONERS

1999

No. OC181
REVISED EDITION-A

TECHNICAL & SERVICE MANUAL

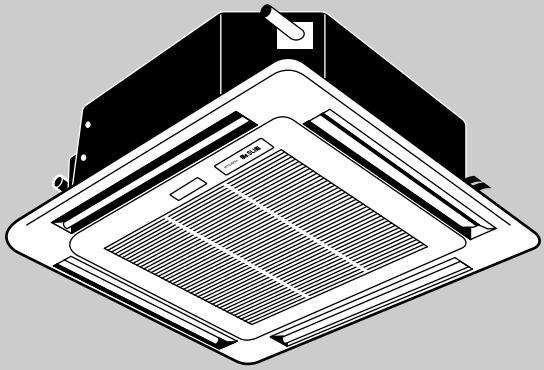
Series PLH/PLA Ceiling Cassettes R407C

Indoor unit

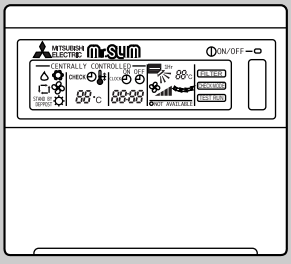
[Model names]	[Service Ref.]
1999	**1999**
PLH-P1.6KAH	PLH-P1.6KAH
PLH-P2KAH	PLH-P2KAH
PLH-P2.5KAH	PLH-P2.5KAH
PLH-P3KAH	PLH-P3KAH
PLH-P4KAH	PLH-P4KAH
PLH-P5KAH	PLH-P5KAH
PLH-P6KAH	PLH-P6KAH
2000	**2000**
PLA-P1.6KA	PLA-P1.6KA
PLA-P2KA	PLA-P2KA
PLA-P2.5KA	PLA-P2.5KA
PLA-P3KA	PLA-P3KA
PLA-P4KA	PLA-P4KA
PLA-P5KA	PLA-P5KA
PLA-P6KA	PLA-P6KA

Refer to the OCT03 as regarding control relation.
Revised Edition-A are PLA-P1.6KA, P2KA, P2.5KA, P3KA, P4KA, P5KA, P6KA, and PUH-P1.6, P2, P2.5YGA added.
This manual does not cover the following outdoor units. When servicing them, please refer to the service manual No.OC180 REVISED EDITION-A and this manual in a set.
[Service Ref.]

PUH-P1.6VGA	PU-P1.6VGA
PUH-P1.6YGA	
PUH-P2VGA	PU-P2VGA
PUH-P2YGA	
PUH-P2.5VGA	PU-P2.5VGA
PUH-P2.5YGA	
PUH-P3VGA	PU-P3VGA
PUH-P3YGA	PU-P3YGA
PUH-P4YGA	PU-P4YGA
PUH-P5YGA	PU-P5YGA
PUH-P6YGA	PU-P6YGA



INDOOR UNIT



REMOTE CONTROLLER

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1 COMBINATION OF INDOOR AND OUTDOOR UNITS

	Indoor unit	Outdoor unit																	
		Heat pump type										Cooling only type							
		PUH-P · VGA / YGA										PU-P · VGA / YGA							
		1.6VGA	1.6YGA	2VGA	2YGA	2.5VGA	2.5YGA	3VGA	3YGA	4YGA	5YGA	6YGA	1.6VGA	2VGA	2.5VGA	3VGA	3YGA	4YGA	5YGA	6YGA
Heat pump with electric heater	PLH-P1.6KAH	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	PLH-P2KAH	—	—	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	PLH-P2.5KAH	—	—	—	—	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—
	PLH-P3KAH	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	—	—	—
	PLH-P4KAH	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	—	—	—
	PLH-P5KAH	—	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	—	—
	PLH-P6KAH	—	—	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	—
Heat pump without electric heater or Cooling only	PLA-P1.6KA	○	○	—	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—
	PLA-P2KA	—	—	○	○	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—
	PLA-P2.5KA	—	—	—	—	○	○	—	—	—	—	—	—	—	○	—	—	—	—	—
	PLA-P3KA	—	—	—	—	—	—	○	○	—	—	—	—	—	—	○	○	—	—	—
	PLA-P4KA	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	○	—	—
	PLA-P5KA	—	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	○	—
	PLA-P6KA	—	—	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	○

2 SAFETY PRECAUTION

Cautions for using with the outdoor unit which adopts R407C refrigerant.

· **Do not use the existing refrigerant piping.**
-The old refrigerant and refrigerant oil in the existing piping contains a large amount of chlorine which may cause the refrigerant oil of the new unit to deteriorate.

· **Do not use copper pipes which are broken, deformed or discolour .**
In addition, be sure that the inner surfaces of the pipes are clean, free of hazardous sulphur and oxides, or have no dust / dirt, shaving particles, oils, moisture or any other contamination.
-If there is a large amount of residual oil (hydraulic oil, etc.) inside the piping and joints, deterioration of the refrigerant oil will result.

· **Store the piping to be used during installation indoors and keep both ends of the piping sealed until just before brazing. (Store elbows and other joints in a plastic bag.)**
-If dust, dirt, or water enters the refrigerant cycle, deterioration of the oil and compressor trouble may result.

· **Use ester oil, ether oil or alkyl benzene (small amount) as the refrigerant oil to coat flares and flange connections.**
-The refrigerant oil will degrade if it is mixed with a large amount of mineral oil.

Use liquid refrigerant to fill the system.
-If gas refrigerant is used to fill the system, the composition of the refrigerant in the cylinder will change and performance may drop.

· **Do not use a refrigerant other than R407C.**
-If another refrigerant (R22, etc.) is used, the chlorine in the refrigerant may cause the refrigerant oil to deteriorate.

· **Use a vacuum pump with a reverse flow check valve.**
-The vacuum pump oil may flow back into the refrigerant cycle and cause the refrigerant oil to deteriorate.

· **Do not use the following tools that are used with conventional refrigerant.**
(Gauge manifold , charge hose, gas leak detector, reverse flow check valve, refrigerant charge base, vacuum gauge, refrigerant recovery equipment)
-If the conventional refrigerant and refrigerant oil are mixed in the R407C, the refrigerant may deteriorated.
-If water is mixed in the R407C, the refrigerant oil may deteriorate.
-Since R407C does not contain any chlorine, gas leak detectors for conventional refrigerant will not react to it.

· **Do not use a charging cylinder.**
-Using a charging cylinder may cause the refrigerant to deteriorate.

· **Be especially careful when managing the tools.**
-if dust, dirt, or water gets in the refrigerant cycle, the refrigerant may deteriorate.

· **Do not use the drier which is sold in the field.**
-The drier for R407C refrigerant is per-attached to outdoor unit refrigerant circuit.
-Some drier in the field are not in conformity with R407C refrigerant .

[1] Service tools

Use the below service tools as exclusive tools for R407C refrigerant.

No.	Tool name	Specifications
①	Gauge manifold	·Only for R407C.
		·Use the existing fitting SPECIFICATIONS. (UNF7/16)
		·Use high-tension side pressure of 3.43MPa·G or over.
②	Charge hose	·Only for R407C.
		·Use pressure performance of 5.10MPa·G or over.
③	Electronic scale	
④	Gas leak detector	·Use the detector for R407C.
⑤	Adapter for reverse flow check.	·Attach on vacuum pump.
⑥	Refrigerant charge base.	
⑦	Refrigerant cylinder.	·For R407C ·Top of cylinder (Brown)
		·Cylinder with syphon
⑧	Refrigerant recovery equipment.	

[2] Notice on repair service

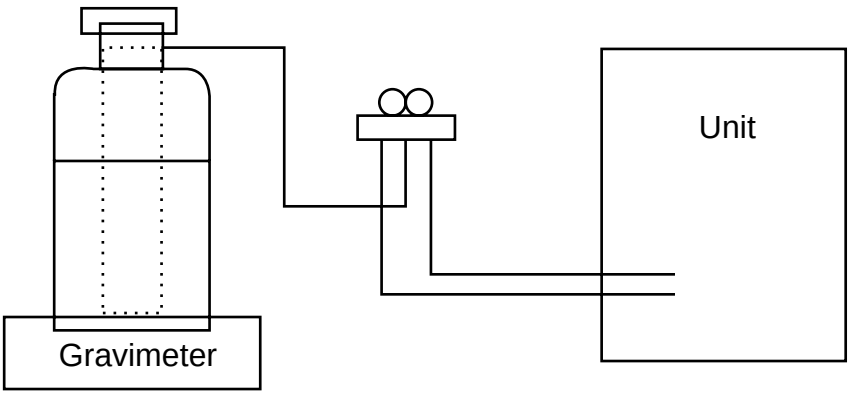
·After recovering the all refrigerant in the unit, proceed to working.
·Do not release refrigerant in the air.
·After completing the repair service, recharge the cycle with the specified amount of liquid refrigerant.

[3] Refrigerant recharging

(1) Refrigerant recharging process

①Direct charging from the cylinder.

·R407C cylinder are available on the market has a syphon pipe.
·Leave the syphon pipe cylinder standing and recharge it.
(By liquid refrigerant)



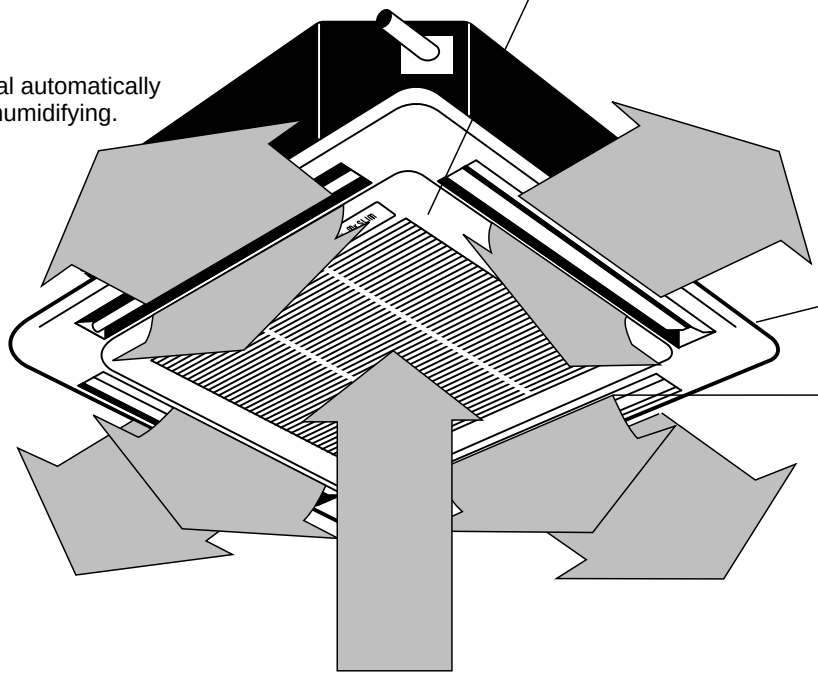
(2) Recharge in refrigerant leakage case

·After recovering the all refrigerant in the unit, proceed to working.
·Do not release the refrigerant in the air.
·After completing the repair service, recharge the cycle with the specified amount of liquid refrigerant.

3 PART NAMES AND FUNCTIONS

● Indoor (Main) Unit

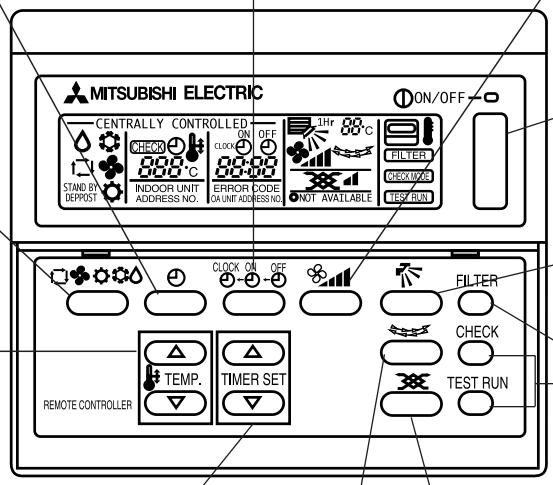
PLH-P1.6KAH, PLA-P1.6KA
PLH-P2KAH, PLA-P2KA
PLH-P2.5KAH, PLA-P2.5KA
PLH-P3KAH, PLA-P3KA
PLH-P4KAH, PLA-P4KA
PLH-P5KAH, PLA-P5KA
PLH-P6KAH, PLA-P6KA


Filters
Remove dust and pollutants from inhaled air
Horizontal Air Outlet
Sets airflow horizontal automatically during cooling or dehumidifying.
Grille
Auto Air Swing Vane
Disperses airflow up and down and adjusts the angle of airflow direction.
Air Intake
Inhales air from room.

● **Remote controller**

● Once the controls are set, the same operation mode can be repeated by simply pressing the ON/OFF button.

● **Operation buttons**



TIMER button
This switches between continuous operation and the timer operation.

TIME SETTING button
This sets of switches the current time. start time and stop time.

AIR SPEED button
This sets the fan speed.

OPERATION SWITCH button
Press this button to switch the cooler electronic dry (dehumidify) automatic and heater modes.

ON/OFF button
This switches between the operation and stop modes each time it is pressed. The lamp on this button lights during operation.

AIR DIRECTION button
This adjusts the vertical angle of the ventilation.

FILTER button
This resets the filter cleaning indication display.

TEMP. ADJUSTMENT button
This sets the room temperature The temperature setting can be performed in 1°C units
Setting range
Cooler 19°C to 30°C
Heater 17°C to 28°C

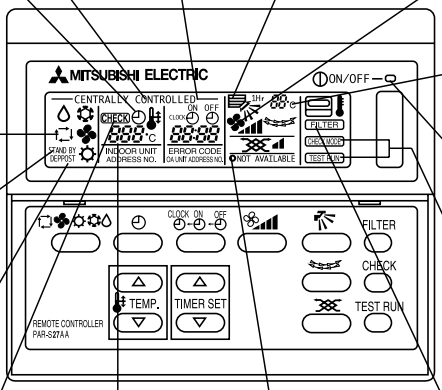
CHECK-TEST RUN button
Only press this button to perform an inspection check or test operation Do not use it for normal operation.

TIMER ADJUSTMENT button
This adjust the current time, start time and stop time.

LOUVER button
This switches the horizontal fan motion ON and OFF.
(This button does not operate in this model)

VENTILATION button
This sets the ventilation fan speed.

● Display



CENTRALLY CONTROLLED display

This indicates when the unit is controlled by optional features such as central control type remote controller.

CLOCK display

The current time , start time and stop time can be displayed in ten second intervals by pressing the time switch button. The start time or stop time is always displayed during the timer operation.

In this display example on the bottom left, a condition where all display lamps light is shown for explanation purposes although this differs from actual operation.

AIR DIRECTION display

The selected fan speed is displayed.

TIMER display

This indicates when the continuous operation and time operation modes are set.
It also display the time for the timer operation at the same time as when it is set.

FAN SPEED display

This displays the air direction.

ROOM TEMPERATURE display

The temperature of the suction air is displayed during operation. The display range is 8° to 39°C. The display flashes 8°C when the actual temperature is less than 8° and flashes 39°C when the actual temperature is greater than 39°C.

OPERATION MODE display

This indicates the operation mode.

Operation lamp

This lamp lights during operation, goes off when the unit stops and flashes when a malfunction occurs.

STANDBY display

This indicates when the standby mode is set from the time the sleep operation starts until the heating air is discharged.

CHECK MODE / TEST RUN display

This display lights in the check mode or when a test operation is performed.

DEFROST display

This indicates when the defrost operation is performed.

FILTER display

This lamp lights when the filter need to be cleaned.

CHECK display

This indicates when a malfunction has occurred in the unit which should be checked.

SET TEMPERATURE display

This displays the selected setting temperature.

POWER display

This lamp lights when electricity is supplied to the unit.

Caution

- Only the Power display lights when the unit is stopped and power supplied to the unit.
- When power is turned ON for the first time the (CENTRAL CTRL) display appears to go off momentarily but this is not a malfunction.
- When the central control remote control unit, which is sold separately, is used the ON-OFF button, operation switch button and TEMP. adjustment button do not operate.
- “NOT AVAILABLE” is displayed when the Air speed button are pressed.This indicates that this room unit is not equipped with the fan direction adjustment function and the louver function.
- When power is turned ON for the first time, it is normal that “H0” is displayed on the room temperature indication (For max. 2minutes). Please wait until this “H0” indication disappear then start the operation.

4 SPECIFICATIONS

1.Heat pump

Item \ Service Ref.				With Electric heater	PLH-P1.6KAH	
				Without Electric heater	PLA-P1.6KA	
Function					Cooling	Heating
Capacity ※1				Btu/h	15,000	17,100(21,800)
				W	4,400	5,000(6,400)
Total input ※1				kW	1.86	1.93(3.33)
INDOOR UNIT	Service Ref.			With Electric heater	PLH-P1.6KAH	
				Without Electric heater	PLA-P1.6KA	
	Power supply(phase, cycle,voltage)				Single, 50Hz, 220-240V	
		Input ※2		kW	0.15	0.10<1.40>
		Running current ※2		A	0.64	0.45<5.83>
		Starting current ※2		A	0.70	0.50<5.83>
	External finish				Galvanized sheets with gray heat insulation	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Turbo fan (direct) x 1	
		Fan motor output		kW	0.030	
		Airflow(Lo-Mi1-Mi2-Hi)		m³/min(CFM)	13-14-15-16(459-494-530-565)	
		External static pressure		Pa(mmAq)	0(direct blow)	
	Booster heater ※2			kW	<1.4>	
	Operation control & Thermostat				Remote controller & built-in	
	Noise level(Lo-Mi1-Mi2-Hi)			dB	32-34-35.5-37	
	Unit drain pipe I.D.			mm(in.)	32(1-1/4)	
	Dimensions		W	mm(in.)	UNIT : 660(26) PANEL : 760(30)	
			D	mm(in.)	UNIT : 660(26) PANEL : 760(30)	
			H	mm(in.)	UNIT : 253(10) PANEL : 30(1-1/8)	
	Weight	With Electric heater		kg(lbs)	UNIT : 20(44) PANEL : 3.7(8)	
		Without Electric heater		kg(lbs)	UNIT : 19(42) PANEL : 3.7(8)	
OUTDOOR UNIT	Service Ref.				PUH-P1.6VGA / YGA	
	Power supply (phase, cycle, voltage)				Single, 50Hz, 220-240V / 3-ph, 50Hz, 380-415V(4wires)	
		Input		kW	1.71	1.83
		Running current		A	7.66 / 2.67	8.19 / 2.86
		Starting current		A	36 / 20	
	External finish				Munsell 5Y 8/1	
	Refrigerant control				Linear Expansion Valve	
	Compressor				Hermetic	
		Model			RE277VHSM / RE277YFKM	
		Motor output		kW	1.3	
		Starter type			Line start	
		Protection devices			Inner thermostat, HP switch,Discharge thermo. / Thermal rely, Discharge thermo, HP switch, Anti-phase protector.	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Propeller (direct) x 1	
		Fan motor output		kW	0.070	
		Airflow		m³/min(CFM)	45(1,590)	
		Crankcase heater		W	30	
	Defrost method				Reverse cycle	
	Noise level		Cooling	dB	46	
			Heating	dB	48	
	Dimensions		W	mm(in.)	900(35-7/16)	
			D	mm(in.)	330+20(13+3/4)	
			H	mm(in.)	650 (25-5/8)	
	Weight			kg(lbs)	55(121)	
REFRIGERANT PIPING	Refrigerant				R407C	
		Charge		kg(lbs)	2.6(5.7)	
		Oil (Model)		L	0.57 (Ester)MEL56	
	Pipe size O.D.		Liquid	mm(in.)	9.52 (3/8)	
			Gas	mm(in.)	15.88 (5/8)	
	Connection method		Indoor side		Flared	
			Outdoor side		Flared	
	Between the indoor & outdoor unit		Height difference		Max. 40m	
			Piping length		Max. 40m	

Notes1. Rating Conditions (ISO T1)
Cooling : Indoor : D.B. 27˚C(80˚F), W.B. 19˚C (66˚F) Outdoor : D.B. 35˚C(95˚F), W.B. 24˚C (75˚F)
Heating : Indoor : D.B. 20˚C(68˚F) Outdoor : D.B. 7˚C(45˚F), W.B. 6˚C (43˚F)
Refrigerant piping length (one way) : 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35˚C, W.B. 22.5˚C	D.B. 46˚C
	Lower limit	D.B. 19˚C, W.B. 15˚C	D.B. -5˚C
Heating	Upper limit	D.B. 28˚C	D.B. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

※1 : ( ) Shows the total rating.
※2 : < > Shows the only booster heater rating.

3. Above data based on indicated voltage
Indoor Unit 1 phase 240V 50Hz
Outdoor Unit 1 phase 240V 50Hz / 3 phase 415V 50Hz

Item \ Service Ref.				With Electric heater	PLH-P2KAH	
				Without Electric heater	PLA-P2KA	
Function					Cooling	Heating
Capacity	※1			Btu/h	18,400	21,300(26,100)
				W	5,400	6,250(7,650)
Total input	※1			kW	2.62	2.67(4.07)
INDOOR UNIT	**Service Ref.**			**With Electric heater**	**PLH-P2KAH**	
				Without Electric heater	**PLA-P2KA**	
	Power supply(phase, cycle,voltage)				Single, 50Hz, 220-240V	
		Input	※2	kW	0.14	0.10<1.40>
		Running current	※2	A	0.65	0.45<5.83>
		Starting current	※2	A	0.72	0.50<5.83>
	External finish				Galvanized sheets with gray heat insulation	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Turbo fan (direct) x 1	
		Fan motor output		kW	0.030	
		Airflow(Lo-Mi1-Mi2-Hi)		m³/min(CFM)	13-14-15-16(459-494-530-565)	
		External static pressure		Pa(mmAq)	0(direct blow)	
	Booster heater		※2	kW	<1.4>	
	Operation control & Thermostat				Remote controller & built-in	
	Noise level(Lo-Mi1-Mi2-Hi)			dB	32-34-35.5-37	
	Unit drain pipe I.D.			mm(in.)	32(1-1/4)	
	Dimensions		W	mm(in.)	UNIT : 660(26) PANEL : 760(30)	
			D	mm(in.)	UNIT : 660(26) PANEL : 760(30)	
			H	mm(in.)	UNIT : 253(10) PANEL : 30(1-1/8)	
	Weight	With Electric heater		kg(lbs)	UNIT : 20(44) PANEL : 3.7(8)	
		Without Electric heater		kg(lbs)	UNIT : 19(42) PANEL : 3.7(8)	
OUTDOOR UNIT	**Service Ref.**				**PUH-P2VGA / YGA**	
	Power supply (phase, cycle, voltage)				Single, 50Hz, 220-240V / 3-ph, 50Hz, 380-415V(4wires)	
		Input		kW	2.48	2.57
		Running current		A	11.11 / 3.88	11.51 / 4.02
		Starting current		A	74 / 30	
	External finish				Munsell 5Y 8/1	
	Refrigerant control				Linear Expansion Valve	
	Compressor				Hermetic	
		Model			NE38VMJM / NE38YEJM	
		Motor output		kW	1.7	
		Starter type			Line start	
		Protection devices			Inner thermostat, HP switch, Discharge thermo. / Thermal rely, Discharge thermo, HP switch, Anti-phase protector.	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Propeller (direct) x 1	
		Fan motor output		kW	0.070	
		Airflow		m³/min(CFM)	55(1,940)	
		Crankcase heater		W	38	
	Defrost method				Reverse cycle	
	Noise level		Cooling	dB	48	
			Heating	dB	49	
	Dimensions		W	mm(in.)	900(35-7/16)	
			D	mm(in.)	330+20(13+3/4)	
			H	mm(in.)	855 (33-5/8)	
	Weight			kg(lbs)	71(157)	
REFRIGERANT PIPING	Refrigerant				R407C	
		Charge		kg(lbs)	3.1(6.8)	
		Oil (Model)		L	1.2 (Ester)MEL56	
	Pipe size O.D.		Liquid	mm(in.)	9.52 (3/8)	
			Gas	mm(in.)	15.88 (5/8)	
	Connection method		Indoor side		Flared	
			Outdoor side		Flared	
	Between the indoor & outdoor unit		Height difference		Max. 40m	
			Piping length		Max. 40m	

Notes1. Rating Conditions (ISO T1)
Cooling : Indoor : D.B. 27˚C(80˚F), W.B. 19˚C (66˚F) Outdoor : D.B. 35˚C(95˚F), W.B. 24˚C (75˚F)
Heating : Indoor : D.B. 20˚C(68˚F) Outdoor : D.B. 7˚C(45˚F), W.B. 6˚C (43˚F)
Refrigerant piping length (one way) : 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35˚C, W.B. 22.5˚C	D.B. 46˚C
	Lower limit	D.B. 19˚C, W.B. 15˚C	D.B. -5˚C
Heating	Upper limit	D.B. 28˚C	D.B. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

※1 : ( ) Shows the total rating.
※2 : < > Shows the only booster heater rating.

3. Above data based on indicated voltage
Indoor Unit 1 phase 240V 50Hz
Outdoor Unit 1 phase 240V 50Hz / 3 phase 415V 50Hz

Item				Service Ref. / With Electric heater / Without Electric heater		
				PLH-P2.5KAH / **PLA-P2.5KA**		
Function					Cooling	Heating
Capacity ※1				Btu/h	21,500	25,200(32,400)
				W	6,300	7,400(9,500)
Total input ※1				kW	2.77	2.68(4.78)
INDOOR UNIT	**Service Ref.**			**With Electric heater** / **Without Electric heater**	**PLH-P2.5KAH** / **PLA-P2.5KA**	
	Power supply(phase, cycle,voltage)				Single, 50Hz, 220-240V	
		Input ※2		kW	0.14	0.10<2.10>
		Running current ※2		A	0.61	0.45<8.75>
		Starting current ※2		A	0.67	0.50<8.75>
	External finish				Galvanized sheets with gray heat insulation	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Turbo fan (direct) x 1	
		Fan motor output		kW	0.030	
		Airflow(Lo-Mi1-Mi2-Hi)		m³/min(CFM)	14-15-16-17 (494-530-565-600)	
		External static pressure		Pa(mmAq)	0(direct blow)	
	Booster heater ※2			kW	<2.1>	
	Operation control & Thermostat				Remote controller & built-in	
	Noise level(Lo-Mi1-Mi2-Hi)			dB	35-36.5-38-39.5	
	Unit drain pipe I.D.			mm(in.)	32(1-1/4)	
	Dimensions		W	mm(in.)	UNIT : 660(26) PANEL : 760(30)	
			D	mm(in.)	UNIT : 660(26) PANEL : 760(30)	
			H	mm(in.)	UNIT : 253(10) PANEL : 30(1-1/8)	
	Weight	With Electric heater		kg(lbs)	UNIT : 21(46) PANEL : 3.7(8)	
		Without Electric heater		kg(lbs)	UNIT : 20(44) PANEL : 3.7(8)	
OUTDOOR UNIT	**Service Ref.**				**PUH-P2.5VGA / YGA**	
	Power supply (phase, cycle, voltage)				Single, 50Hz, 220-240V / 3-ph, 50Hz, 380-415V(4wires)	
		Input		kW	2.63	2.58
		Running current		A	11.78 / 4.11	11.55 / 4.03
		Starting current		A	77 / 32	
	External finish				Munsell 5Y 8/1	
	Refrigerant control				Linear Expansion Valve	
	Compressor				Hermetic	
		Model			NE41VMJM / NE41YEJM	
		Motor output		kW	1.9	
		Starter type			Line start	
		Protection devices			Internal thermostat, HP switch, Discharge thermo. / Thermal rely, Discharge thermo, HP switch, Anti-phase protector.	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Propeller (direct) x 1	
		Fan motor output		kW	0.070	
		Airflow		m³/min(CFM)	50(1,770)	
		Crankcase heater		W	38	
	Defrost method				Reverse cycle	
	Noise level		Cooling	dB	48	
			Heating	dB	50	
	Dimensions		W	mm(in.)	900(35-7/16)	
			D	mm(in.)	330+20(13+3/4)	
			H	mm(in.)	855 (33-5/8)	
	Weight			kg(lbs)	82(181)	
REFRIGERANT PIPING	Refrigerant				R407C	
		Charge		kg(lbs)	3.3(7.3)	
		Oil (Model)		L	1.2 (Ester)MEL56	
	Pipe size O.D.		Liquid	mm(in.)	9.52 (3/8)	
			Gas	mm(in.)	15.88 (5/8)	
	Connection method		Indoor side		Flared	
			Outdoor side		Flared	
	Between the indoor & outdoor unit		Height difference		Max. 50m	
			Piping length		Max. 50m	

Notes1. Rating Conditions (ISO T1)
Cooling : Indoor : D.B. 27˚C(80˚F), W.B. 19˚C (66˚F) Outdoor : D.B. 35˚C(95˚F), W.B. 24˚C (75˚F)
Heating : Indoor : D.B. 20˚C(68˚F) Outdoor : D.B. 7˚C(45˚F), W.B. 6˚C (43˚F)
Refrigerant piping length (one way) : 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35˚C, W.B. 22.5˚C	D.B. 46˚C
	Lower limit	D.B. 19˚C, W.B. 15˚C	D.B. -5˚C
Heating	Upper limit	D.B. 28˚C	D.B. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

※1 : ( ) Shows the total rating.
※2 : < > Shows the only booster heater rating.

3. Above data based on indicated voltage
Indoor Unit 1 phase 240V 50Hz
Outdoor Unit 1 phase 240V 50Hz / 3 phase 415V 50Hz

Item		Service Ref.	With Electric heater		PLH-P3KAH	
			Without Electric heater		PLA-P3KA	
Function					Cooling	Heating
Capacity	※1			Btu/h	26,300	31,400(38,500)
				W	7,700	9,200(11,300)
Total input	※1			kW	3.47	3.65(5.75)
INDOOR UNIT	Service Ref.		With Electric heater		PLH-P3KAH	
			Without Electric heater		PLA-P3KA	
	Power supply(phase, cycle,voltage)				Single, 50Hz, 220-240V	
		Input	※2	kW	0.13	0.13<2.10>
		Running current	※2	A	0.62	0.62<8.75>
		Starting current	※2	A	0.91	0.91<8.75>
	External finish				Galvanized sheets with gray heat insulation	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Turbo fan (direct) x 1	
		Fan motor output		kW	0.070	
		Airflow(Lo-Mi1-Mi2-Hi)		m³/min(CFM)	15-16.5-18.5-20 (530-582-653-706)	
		External static pressure		Pa(mmAq)	0(direct blow)	
	Booster heater		※2	kW	<2.1>	
	Operation control & Thermostat				Remote controller & built-in	
	Noise level(Lo-Mi1-Mi2-Hi)			dB	32-34-37-39	
	Unit drain pipe I.D.			mm(in.)	32(1-1/4)	
	Dimensions		W	mm(in.)	UNIT : 840(33) PANEL : 950(37)	
			D	mm(in.)	UNIT : 840(33) PANEL : 950(37)	
			H	mm(in.)	UNIT : 290(11) PANEL : 30(1-1/8)	
	Weight	With Electric heater		kg(lbs)	UNIT : 28(62) PANEL : 5(11)	
		Without Electric heater		kg(lbs)	UNIT : 26(57) PANEL : 5(11)	
OUTDOOR UNIT	Service Ref.				PUH-P3VGA / YGA	
	Power supply (phase, cycle, voltage)				Single, 50Hz, 220-240V / 3-ph, 50Hz, 380-415V (4wires)	
		Input		kW	3.34	3.52
		Running current		A	14.64/5.46	15.43/5.76
		Starting current		A	93/41	
	External finish				Munsell 5Y 8/1	
	Refrigerant control				Linear Expansion Valve	
	Compressor				Hermetic	
		Model			NE52VNJM / NE52YDJM	
		Motor output		kW	2.5	
		Starter type			Line start	
		Protection devices			Internal thermostat, HP switch, Discharge thermo. / Thermal rely, Discharge thermo, HP switch, Anti-phase protector.	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Propeller (direct) x 1	
		Fan motor output		kW	0.070	
		Airflow		m³/min(CFM)	50(1,770)	
		Crankcase heater		W	38	
	Defrost method				Reverse cycle	
	Noise level		Cooling	dB	49	
			Heating	dB	51	
	Dimensions		W	mm(in.)	900(35-7/16)	
			D	mm(in.)	330+20(13+3/4)	
			H	mm(in.)	855 (33-5/8)	
	Weight			kg(lbs)	82(181)	
REFRIGERANT PIPING	Refrigerant				R407C	
		Charge		kg(lbs)	3.7(8.2)	
		Oil (Model)		L	1.6 (Ester)MEL56	
	Pipe size O.D.		Liquid	mm(in.)	9.52 (3/8)	
			Gas	mm(in.)	15.88 (5/8)	
	Connection method		Indoor side		Flared	
			Outdoor side		Flared	
	Between the indoor & outdoor unit		Height difference		Max. 50m	
			Piping length		Max. 50m	

Notes1. Rating Conditions (ISO T1)
Cooling : Indoor : D.B. 27˚C(80˚F), W.B. 19˚C (66˚F) Outdoor : D.B. 35˚C(95˚F), W.B. 24˚C (75˚F)
Heating : Indoor : D.B. 20˚C(68˚F) Outdoor : D.B. 7˚C(45˚F), W.B. 6˚C (43˚F)
Refrigerant piping length (one way) : 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35˚C, W.B. 22.5˚C	D.B. 46˚C
	Lower limit	D.B. 19˚C, W.B. 15˚C	D.B. -5˚C
Heating	Upper limit	D.B. 28˚C	D.B. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

※1 : ( ) Shows the total rating.
※2 : < > Shows the only booster heater rating.

3. Above data based on indicated voltage
Indoor Unit 1 phase 240V 50Hz
Outdoor Unit 1 phase 240V 50Hz / 3 phase 415V 50Hz

Item \ Service Ref.				With Electric heater / Without Electric heater		
				PLH-P4KAH / PLA-P4KA		
Function					Cooling	Heating
Capacity ※1				Btu/h	33,100	36,200(43,300)
				W	9,700	10,600(12,700)
Total input ※1				kW	3.57	3.75(5.85)
INDOOR UNIT	Service Ref.			With Electric heater / Without Electric heater	PLH-P4KAH / PLA-P4KA	
	Power supply(phase, cycle,voltage)				Single, 50Hz, 220-240V	
		Input ※2		kW	0.21	0.21<2.10>
		Running current ※2		A	0.99	0.99<8.75>
		Starting current ※2		A	1.38	1.38<8.75>
	External finish				Galvanized sheets with gray heat insulation	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Turbo fan (direct) x 1	
		Fan motor output		kW	0.090	
		Airflow(Lo-Mi1-Mi2-Hi)		m³/min(CFM)	19.5-21.5-24-26(688-759-847-918)	
		External static pressure		Pa(mmAq)	0(direct blow)	
	Booster heater ※2			kW	<2.1>	
	Operation control & Thermostat				Remote controller & built-in	
	Noise level(Lo-Mi1-Mi2-Hi)			dB	34-36-39-42	
	Unit drain pipe I.D.			mm(in.)	32(1-1/4)	
	Dimensions		W	mm(in.)	UNIT : 840(33) PANEL : 950(37)	
			D	mm(in.)	UNIT : 840(33) PANEL : 950(37)	
			H	mm(in.)	UNIT : 290(11) PANEL : 30(1-1/8)	
	Weight	With Electric heater		kg(lbs)	UNIT : 31(68) PANEL : 5(11)	
		Without Electric heater		kg(lbs)	UNIT : 29(64) PANEL : 5(11)	
OUTDOOR UNIT	Service Ref.				PUH-P4YGA	
	Power supply (phase, cycle, voltage)				3-ph, 50Hz, 380-415V (4wires)	
		Input		kW	3.36	3.54
		Running current		A	5.49	5.79
		Starting current		A	45	
	External finish				Munsell 5Y 8/1	
	Refrigerant control				Linear Expansion Valve	
	Compressor				Hermetic	
		Model			NE56YDJM	
		Motor output		kW	2.7	
		Starter type			Line start	
		Protection devices			Anti-phase protector, Thermal relay, Discharge thermo, HP switch	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Propeller (direct) x 2	
		Fan motor output		kW	0.070+0.070	
		Airflow		m³/min(CFM)	85(3,000)	
		Crankcase heater		W	38	
	Defrost method				Reverse cycle	
	Noise level		Cooling	dB	51	
			Heating	dB	53	
	Dimensions		W	mm(in.)	900(35-7/16)	
			D	mm(in.)	330+20(13+3/4)	
			H	mm(in.)	1,260 (49-5/8)	
	Weight			kg(lbs)	96(212)	
REFRIGERANT PIPING	Refrigerant				R407C	
		Charge		kg(lbs)	4.0(8.8)	
		Oil (Model)		L	1.6 (Ester)MEL56	
	Pipe size O.D.		Liquid	mm(in.)	9.52 (3/8)	
			Gas	mm(in.)	19.05 (3/4)	
	Connection method		Indoor side		Flared	
			Outdoor side		Flared	
	Between the indoor & outdoor unit		Height difference		Max. 50m	
			Piping length		Max. 50m	

Notes1. Rating Conditions (ISO T1)
Cooling : Indoor : D.B. 27˚C(80˚F), W.B. 19˚C (66˚F) Outdoor : D.B. 35˚C(95˚F), W.B. 24˚C (75˚F)
Heating : Indoor : D.B. 20˚C(68˚F) Outdoor : D.B. 7˚C(45˚F), W.B. 6˚C (43˚F)
Refrigerant piping length (one way) : 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35˚C, W.B. 22.5˚C	D.B. 46˚C
	Lower limit	D.B. 19˚C, W.B. 15˚C	D.B. -5˚C
Heating	Upper limit	D.B. 28˚C	D.B. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

※1 : ( ) Shows the total rating.
※2 : < > Shows the only booster heater rating.

3. Above data based on indicated voltage
Indoor Unit 1 phase 240V 50Hz
Outdoor Unit 3 phase 415V 50Hz

Item \ Service Ref.				With Electric heater	PLH-P5KAH	
				Without Electric heater	PLA-P5KA	
Function					Cooling	Heating
Capacity ※1				Btu/h	43,700	52,900(63,100)
				W	12,800	15,500(18,500)
Total input ※1				kW	5.47	5.69(8.69)
INDOOR UNIT	Service Ref.			With Electric heater	PLH-P5KAH	
				Without Electric heater	PLA-P5KA	
	Power supply(phase, cycle,voltage)				Single, 50Hz, 220-240V	
		Input ※2		kW	0.22	0.22<3.00>
		Running current ※2		A	1.04	1.04<12.50>
		Starting current ※2		A	1.38	1.38<12.50>
	External finish				Galvanized sheets with gray heat insulation	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Turbo fan (direct) x 1	
		Fan motor output		kW	0.090	
		Airflow(Lo-Mi1-Mi2-Hi)		m³/min(CFM)	22.5-25-27.5-30(794-883-971-1,059)	
		External static pressure		Pa(mmAq)	0(direct blow)	
	Booster heater ※2			kW	<3.0>	
	Operation control & Thermostat				Remote controller & built-in	
	Noise level(Lo-Mi1-Mi2-Hi)			dB	36-38-40-43	
	Unit drain pipe I.D.			mm(in.)	32(1-1/4)	
	Dimensions		W	mm(in.)	UNIT : 840(33) PANEL : 950(37)	
			D	mm(in.)	UNIT : 1,360(54) PANEL : 1,470(58)	
			H	mm(in.)	UNIT : 290(11) PANEL : 30(1-1/8)	
	Weight	With Electric heater		kg(lbs)	UNIT : 39(86) PANEL : 9(20)	
		Without Electric heater		kg(lbs)	UNIT : 37(82) PANEL : 9(20)	
OUTDOOR UNIT	Service Ref.				PUH-P5YGA	
	Power supply (phase, cycle, voltage)				3-ph, 50Hz, 380-415V (4wires)	
		Input		kW	5.25	5.47
		Running current		A	8.39	8.74
		Starting current		A	79	
	External finish				Munsell 5Y 8/1	
	Refrigerant control				Linear Expansion Valve	
	Compressor				Hermetic	
		Model			HE86YAA	
		Motor output		kW	4.3	
		Starter type			Line start	
		Protection devices			Internal thermostat, Anti-phase protector, Thermal relay, HP switch, LP switch, Discharge thermo.	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Propeller (direct) x 2	
		Fan motor output		kW	0.075+0.075	
		Airflow		m³/min(CFM)	95(3,360)	
		Crankcase heater		W	38	
	Defrost method				Reverse cycle	
	Noise level		Cooling	dB	53	
			Heating	dB	55	
	Dimensions		W	mm(in.)	1,050(41-5/16)	
			D	mm(in.)	330+20(13+3/4)	
			H	mm(in.)	1,260 (49-5/8)	
	Weight			kg(lbs)	122(269)	
REFRIGERANT PIPING	Refrigerant				R407C	
		Charge		kg(lbs)	5.8(12.8)	
		Oil (Model)		L	2.0 (Ester)MEL32	
	Pipe size O.D.		Liquid	mm(in.)	9.52 (3/8)	
			Gas	mm(in.)	19.05 (3/4)	
	Connection method		Indoor side		Flared	
			Outdoor side		Flared	
	Between the indoor & outdoor unit		Height difference		Max. 50m	
			Piping length		Max. 50m	

Notes1. Rating Conditions (ISO T1)
Cooling : Indoor : D.B. 27˚C(80˚F), W.B. 19˚C (66˚F) Outdoor : D.B. 35˚C(95˚F), W.B. 24˚C (75˚F)
Heating : Indoor : D.B. 20˚C(68˚F) Outdoor : D.B. 7˚C(45˚F), W.B. 6˚C (43˚F)
Refrigerant piping length (one way) : 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35˚C, W.B. 22.5˚C	D.B. 46˚C
	Lower limit	D.B. 19˚C, W.B. 15˚C	D.B. -5˚C
Heating	Upper limit	D.B. 28˚C	D.B. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

※1 : ( ) Shows the total rating.
※2 : < > Shows the only booster heater rating.

3. Above data based on indicated voltage
Indoor Unit 1 phase 240V 50Hz
Outdoor Unit 3 phase 415V 50Hz

Item						
			Service Ref.	**With Electric heater**	**PLH-P6KAH**	
				Without Electric heater	**PLA-P6KA**	
Function					Cooling	Heating
Capacity ※1				Btu/h	48,800	57,300(67,600)
				W	14,300	16,800(19,800)
Total input ※1				kW	6.58	6.65(9.65)
INDOOR UNIT	**Service Ref.**			**With Electric heater**	**PLH-P6KAH**	
				Without Electric heater	**PLA-P6KA**	
	Power supply(phase, cycle,voltage)				Single, 50Hz, 220-240V (4wires)	
		Input ※2		kW	0.22	0.22<3.00>
		Running current ※2		A	1.04	1.04<12.50>
		Starting current ※2		A	1.38	1.38<12.50>
	External finish				Galvanized sheets with gray heat insulation	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Turbo fan (direct) x 1	
		Fan motor output		kW	0.090	
		Airflow(Lo-Mi1-Mi2-Hi)		m³/min(CFM)	25-27.5-30-33(883-971-1,059-1,165)	
		External static pressure		Pa(mmAq)	0(direct blow)	
	Booster heater ※2			kW	<3.0>	
	Operation control & Thermostat				Remote controller & built-in	
	Noise level(Lo-Mi1-Mi2-Hi)			dB	38-40-42-45	
	Unit drain pipe I.D.			mm(in.)	32(1-1/4)	
	Dimensions		W	mm(in.)	UNIT : 840(33) PANEL : 950(37)	
			D	mm(in.)	UNIT : 1,360(54) PANEL : 1,470(58)	
			H	mm(in.)	UNIT : 290(11) PANEL : 38(1-1/8)	
	Weight	With Electric heater		kg(lbs)	UNIT : 39(86) PANEL : 9(20)	
		Without Electric heater		kg(lbs)	UNIT : 37(82) PANEL : 9(20)	
OUTDOOR UNIT	**Service Ref.**				**PUH-P6YGA**	
	Power supply (phase, cycle, voltage)				3-ph, 50Hz, 380-415V (4wires)	
		Input		kW	6.36	6.43
		Running current		A	10.17	10.28
		Starting current		A	84	
	External finish				Munsell 5Y 8/1	
	Refrigerant control				Linear Expansion Valve	
	Compressor				Hermetic	
		Model			HE101YAA	
		Motor output		kW	5.1	
		Starter type			Line start	
		Protection devices			Internal thermostat, Anit-phase protector, Thermal relay, HP switch, LP switch, Discharge thermo.	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Propeller (direct) x 2	
		Fan motor output		kW	0.075+0.075	
		Airflow		m³/min(CFM)	100(3,530)	
		Crankcase heater		W	38	
	Defrost method				Reverse cycle	
	Noise level		Cooling	dB	55	
			Heating	dB	57	
	Dimensions		W	mm(in.)	1,050(41-5/16)	
			D	mm(in.)	330+20(13+3/4)	
			H	mm(in.)	1,260 (49-5/8)	
	Weight			kg(lbs)	122(269)	
REFRIGERANT PIPING	Refrigerant				R407C	
		Charge		kg(lbs)	5.8(12.8)	
		Oil (Model)		L	2.0 (Ester)MEL32	
	Pipe size O.D.		Liquid	mm(in.)	9.52 (3/8)	
			Gas	mm(in.)	19.05 (3/4)	
	Connection method		Indoor side		Flared	
			Outdoor side		Flared	
	Between the indoor & outdoor unit		Height difference		Max. 50m	
			Piping length		Max. 50m	

Notes1. Rating Conditions (ISO T1)
Cooling : Indoor : D.B. 27˚C(80˚F), W.B. 19˚C (66˚F) Outdoor : D.B. 35˚C(95˚F), W.B. 24˚C (75˚F)
Heating : Indoor : D.B. 20˚C(68˚F) Outdoor : D.B. 7˚C(45˚F), W.B. 6˚C (43˚F)
Refrigerant piping length (one way) : 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35˚C, W.B. 22.5˚C	D.B. 46˚C
	Lower limit	D.B. 19˚C, W.B. 15˚C	D.B. -5˚C
Heating	Upper limit	D.B. 28˚C	D.B. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

※1 : ( ) Shows the total rating.
※2 : < > Shows the only booster heater rating.

3. Above data based on indicated voltage
Indoor Unit 1 phase 240V 50Hz
Outdoor Unit 3 phase 415V 50Hz

2.Cooling only type

	Item / Service Ref.			PLA-P1.6KA	PLA-P2KA
Function				Cooling	Cooling
Capacity			Btu/h	15,000	18,400
			W	4,400	5,400
Total input			kW	1.86	2.62
INDOOR UNIT	**Service Ref.**			**PLA-P1.6KA**	**PLA-P2KA**
	Power supply(phase, cycle,voltage)			Single, 50Hz, 220-240V	
		Input	kW	0.15	0.14
		Running current	A	0.64	0.65
		Starting current	A	0.70	0.72
	External finish			Galvanized sheets with gray heat insulation	
	Heat exchanger			Plate fin coil	
	Fan	Fan(drive) x No.		Turbo fan (direct) x 1	
		Fan motor output	kW	0.030	
		Airflow(Lo-Mi1-Mi2-Hi)	m³/min(CFM)	13-14-15-16(459-494-530-565)	
		External static pressure	Pa(mmAq)	0(direct blow)	
	Booster heater		kW	—	
	Operation control & Thermostat			Remote controller & built-in	
	Noise level(Lo-Mi1-Mi2-Hi)		dB	32-34-35.5-37	
	Unit drain pipe I.D.		mm(in.)	32(1-1/4)	
	Dimensions	W	mm(in.)	UNIT : 660(26), PANEL : 760(30)	
		D	mm(in.)	UNIT : 660(26), PANEL : 760(30)	
		H	mm(in.)	UNIT : 253(10), PANEL : 30(1-1/8)	
	Weight		kg(lbs)	UNIT : 19(42), PANEL : 3.7(8)	
OUTDOOR UNIT	**Service Ref.**			**PU-P1.6VGA**	**PU-P2VGA**
	Power supply (phase, cycle, voltage)			Single, 50Hz, 220-240V	
		Input	kW	1.71	2.48
		Running current	A	7.66	11.11
		Starting current	A	36	74
	External finish			Munsell 5Y 8/1	
	Refrigerant control			Linear Expansion Valve	
	Compressor			Hermetic	
		Model		RE277VHSM	NE38VMJM
		Motor output	kW	1.3	1.7
		Starter type		Line start	
		Protection devices		Inner thermostat, High pressure switch,Discharge thermo.	
	Heat exchanger			Plate fin coil	
	Fan	Fan(drive) x No.		Propeller (direct) x 1	
		Fan motor output	kW	0.070	
		Airflow	m³/min(CFM)	45(1,590)	55(1,940)
		Crankcase heater	W	30	38
	Defrost method			—	
	Noise level	Cooling	dB	46	48
	Dimensions	W	mm(in.)	900(35-7/16)	
		D	mm(in.)	330+20(13+3/4)	
		H	mm(in.)	650 (25-5/8)	855(33-5/8)
	Weight		kg(lbs)	55(121)	71(157)
REFRIGERANT PIPING	Refrigerant			R407C	
		Charge	kg(lbs)	2.6(5.7)	3.1(6.8)
		Oil (Model)	L	0.57(Ester)MEL56	1.2(Ester)MEL56
	Pipe size O.D.	Liquid	mm(in.)	9.52 (3/8)	
		Gas	mm(in.)	15.88 (5/8)	
	Connection method	Indoor side		Flared	
		Outdoor side		Flared	
	Between the indoor & outdoor unit	Height difference		Max. 40m	
		Piping length		Max. 40m	

Notes1. Rating Conditions (ISO T1)
Cooling : Indoor : D.B. 27˚C(80˚F), W.B. 19˚C (66˚F) Outdoor : D.B. 35˚C(95˚F), W.B. 24˚C (75˚F)
Refrigerant piping length (one way) : 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35˚C, W.B. 22.5˚C	D.B. 46˚C
	Lower limit	D.B. 19˚C, W.B. 15˚C	D.B. -5˚C

3. Above data based on indicated voltage
Indoor Unit 1 phase 240V 50Hz
Outdoor Unit 1 phase 240V 50Hz

Item				Service Ref.	PLA-P2.5KA	PLA-P3KA
Function					Cooling	Cooling
Capacity				Btu/h	21,500	26,300
				W	6,300	7,700
Total input				kW	2.77	3.47
INDOOR UNIT	**Service Ref.**				**PLA-P2.5KA**	**PLA-P3KA**
	Power supply(phase, cycle,voltage)				Single, 50Hz, 220-240V	
		Input		kW	0.14	0.13
		Running current		A	0.61	0.62
		Starting current		A	0.67	0.91
	External finish				Galvanized sheets with gray heat insulation	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Turbo fan (direct) x 1	
		Fan motor output		kW	0.030	0.070
		Airflow(Lo-Mi1-Mi2-Hi)		m³/min(CFM)	14-15-16-17 (494-530-565-600)	15-16.5-18.5-20 (530-582-653-706)
		External static pressure		Pa(mmAq)	0(direct blow)	
	Booster heater			kW	—	
	Operation control & Thermostat				Remote controller & built-in	
	Noise level(Lo-Mi1-Mi2-Hi)			dB	35-36.5-38-39.5	32-34-37-39
	Unit drain pipe I.D.			mm(in.)	32(1-1/4)	
	Dimensions		W	mm(in.)	UNIT : 660(26), PANEL : 760(30)	UNIT : 840(33), PANEL : 950(37)
			D	mm(in.)	UNIT : 660(26), PANEL : 760(30)	UNIT : 840(33), PANEL : 950(37)
			H	mm(in.)	UNIT : 253(10), PANEL : 30(1-1/8)	UNIT : 290(11), PANEL : 30(1-1/8)
	Weight			kg(lbs)	UNIT : 20(44), PANEL : 3.7(8)	UNIT : 26(57), PANEL : 5(11)
OUTDOOR UNIT	**Service Ref.**				**PU-P2.5VGA**	**PU-P3VGA / YGA**
	Power supply (phase, cycle, voltage)				Single, 50Hz, 220-240V	Single, 50Hz, 220-240V / 3-ph, 50Hz, 380-415V(4wires)
		Input		kW	2.63	3.34
		Running current		A	11.78	14.64 / 5.46
		Starting current		A	77	93 / 41
	External finish				Munsell 5Y 8/1	
	Refrigerant control				Linear Expansion Valve	
	Compressor				Hermetic	
		Model			NE41VMJM	NE52VNJM / NE52YDJM
		Motor output		kW	1.9	2.5
		Starter type			Line start	
		Protection devices			Internal thermostat, High switch,Discharge thermo. / Thermal rely, Discharge thermo, HP switch, Anti-phase protector.	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Propeller (direct) x 1	
		Fan motor output		kW	0.070	
		Airflow		m³/min(CFM)	50(1,770)	
		Crankcase heater		W	38	
	Defrost method				—	
	Noise level		Cooling	dB	48	49
	Dimensions		W	mm(in.)	900(35-7/16)	
			D	mm(in.)	330+20(13+3/4)	
			H	mm(in.)	855(33-5/8)	
	Weight			kg(lbs)	82(181)	
REFRIGERANT PIPING	Refrigerant				R407C	
		Charge		kg(lbs)	3.3(7.3)	3.7(8.2)
		Oil (Model)		L	1.2(Ester)MEL56	1.6(Ester)MEL56
	Pipe size O.D.		Liquid	mm(in.)	9.52 (3/8)	
			Gas	mm(in.)	15.88 (5/8)	
	Connection method		Indoor side		Flared	
			Outdoor side		Flared	
	Between the indoor & outdoor unit		Height difference		Max. 50m	
			Piping length		Max. 50m	

Notes1. Rating Conditions (ISO T1)
Cooling : Indoor : D.B. 27˚C(80˚F), W.B. 19˚C (66˚F) Outdoor : D.B. 35˚C(95˚F), W.B. 24˚C (75˚F)
Refrigerant piping length (one way) : 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35˚C, W.B. 22.5˚C	D.B. 46˚C
	Lower limit	D.B. 19˚C, W.B. 15˚C	D.B. -5˚C

3. Above data based on indicated voltage
Indoor Unit 1 phase 240V 50Hz
Outdoor Unit 1 phase 240V 50Hz / 3 phase 415V 50Hz

Item				Service Ref.	PLA-P4KA
Function					Cooling
Capacity				Btu/h	33,100
				W	9,700
Total input				kW	3.57
INDOOR UNIT	**Service Ref.**				**PLA-P4KA**
	Power supply(phase, cycle,voltage)				Single, 50Hz, 220-240V
		Input		kW	0.21
		Running current		A	0.99
		Starting current		A	1.38
	External finish				Galvanized sheets with gray heat insulation
	Heat exchanger				Plate fin coil
	Fan	Fan(drive) x No.			Turbo fan (direct) x 1
		Fan motor output		kW	0.090
		Airflow(Lo-Mi1-Mi2-Hi)		m³/min(CFM)	19.5-21.5-24-26(688-759-847-918)
		External static pressure		Pa(mmAq)	0(direct blow)
	Booster heater			kW	—
	Operation control & Thermostat				Remote controller & built-in
	Noise level(Lo-Mi1-Mi2-Hi)			dB	34-36-39-42
	Unit drain pipe I.D.			mm(in.)	32(1-1/4)
	Dimensions		W	mm(in.)	UNIT : 840(33), PANEL : 950(37)
			D	mm(in.)	UNIT : 840(33), PANEL : 950(37)
			H	mm(in.)	UNIT : 290(11), PANEL : 30(1-1/8)
	Weight			kg(lbs)	UNIT : 29(64), PANEL : 5(11)
OUTDOOR UNIT	**Service Ref.**				**PU-P4YGA**
	Power supply (phase, cycle, voltage)				3-ph, 50Hz, 380-415V (4wires)
		Input		kW	3.36
		Running current		A	5.49
		Starting current		A	45
	External finish				Munsell 5Y 8/1
	Refrigerant control				Linear Expansion Valve
	Compressor				Hermetic
		Model			NE56YDJM
		Motor output		kW	2.7
		Starter type			Line start
		Protection devices			Anti-phase protector, Thermal relay, Discharge thermo, HP switch
	Heat exchanger				Plate fin coil
	Fan	Fan(drive) x No.			Propeller (direct) x 2
		Fan motor output		kW	0.070+0.070
		Airflow		m³/min(CFM)	85(3,000)
		Crankcase heater		W	38
	Defrost method				—
	Noise level		Cooling	dB	51
	Dimensions		W	mm(in.)	900(35-7/16)
			D	mm(in.)	330+20(13+3/4)
			H	mm(in.)	1,260 (49-5/8)
	Weight			kg(lbs)	96(212)
REFRIGERANT PIPING	Refrigerant				R407C
		Charge		kg(lbs)	4.0(8.8)
		Oil (Model)		L	1.6 (Ester)MEL56
	Pipe size O.D.		Liquid	mm(in.)	9.52 (3/8)
			Gas	mm(in.)	19.05 (3/4)
	Connection method		Indoor side		Flared
			Outdoor side		Flared
	Between the indoor & outdoor unit		Height difference		Max. 50m
			Piping length		Max. 50m

Notes1. Rating Conditions (ISO T1)
Cooling : Indoor : D.B. 27˚C(80˚F), W.B. 19˚C (66˚F) Outdoor : D.B. 35˚C(95˚F), W.B. 24˚C (75˚F)
Refrigerant piping length (one way) : 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35˚C, W.B. 22.5˚C	D.B. 46˚C
	Lower limit	D.B. 19˚C, W.B. 15˚C	D.B. -5˚C

3. Above data based on indicated voltage
Indoor Unit 1 phase 240V 50Hz
Outdoor Unit 3 phase 415V 50Hz

Item				Service Ref.	PLA-P5KA	PLA-P6KA
Function					Cooling	Cooling
Capacity				Btu/h	43,700	48,800
				W	12,800	14,300
Total input				kW	5.47	6.58
INDOOR UNIT	**Service Ref.**				**PLA-P5KA**	**PLA-P6KA**
	Power supply(phase, cycle,voltage)				Single, 50Hz, 220-240V	
		Input		kW	0.22	0.22
		Running current		A	1.04	1.04
		Starting current		A	1.38	1.38
	External finish				Galvanized sheets with gray heat insulation	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Turbo fan (direct) x 1	
		Fan motor output		kW	0.090	
		Airflow(Lo-Mi1-Mi2-Hi)		m³/min(CFM)	22.5-25-27.5-30(794-883-971-1,059)	25-27.5-30-33(883-971-1,059-1,165)
		External static pressure		Pa(mmAq)	0(direct blow)	
	Booster heater			kW	—	
	Operation control & Thermostat				Remote controller & built-in	
	Noise level(Lo-Mi1-Mi2-Hi)			dB	36-38-40-43	38-40-43-45
	Unit drain pipe I.D.			mm(in.)	32(1-1/4)	
	Dimensions		W	mm(in.)	UNIT : 840(33), PANEL : 950(37)	
			D	mm(in.)	UNIT : 1,360(54), PANEL : 1,470(58)	
			H	mm(in.)	UNIT : 290(11), PANEL : 30(1-1/8)	
	Weight			kg(lbs)	UNIT : 37(82), PANEL : 9(20)	
OUTDOOR UNIT	**Service Ref.**				**PU-P5YGA**	**PU-P6YGA**
	Power supply (phase, cycle, voltage)				3-ph, 50Hz, 380-415V (4wires)	
		Input		kW	5.25	6.36
		Running current		A	8.39	10.17
		Starting current		A	79	84
	External finish				Munsell 5Y 8/1	
	Refrigerant control				Linear Expansion Valve	
	Compressor				Hermetic	
		Model			HE86YAA	HE101YAA
		Motor output		kW	4.3	5.1
		Starter type			Line start	
		Protection devices			Internal thermostat, Anti-phase protector, Thermal relay, HP switch, LP switch, Discharge thermo.	
	Heat exchanger				Plate fin coil	
	Fan	Fan(drive) x No.			Propeller (direct) x 2	
		Fan motor output		kW	0.075+0.075	
		Airflow		m³/min(CFM)	95(3,360)	100(3,530)
		Crankcase heater		W	38	
	Defrost method				—	
	Noise level		Cooling	dB	53	57
	Dimensions		W	mm(in.)	1,050(41-5/16)	
			D	mm(in.)	330+20(13+3/4)	
			H	mm(in.)	1,260 (49-5/8)	
	Weight			kg(lbs)	122(269)	
REFRIGERANT PIPING	Refrigerant				R407C	
		Charge		kg(lbs)	5.8(12.8)	
		Oil (Model)		L	2.0 (Ester)MEL32	
	Pipe size O.D.		Liquid	mm(in.)	9.52 (3/8)	
			Gas	mm(in.)	19.05 (3/4)	
	Connection method		Indoor side		Flared	
			Outdoor side		Flared	
	Between the indoor & outdoor unit		Height difference		Max. 50m	
			Piping length		Max. 50m	

Notes1. Rating Conditions (ISO T1)
Cooling : Indoor : D.B. 27˚C(80˚F), W.B. 19˚C (66˚F) Outdoor : D.B. 35˚C(95˚F), W.B. 24˚C (75˚F)
Refrigerant piping length (one way) : 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35˚C, W.B. 22.5˚C	D.B. 46˚C
	Lower limit	D.B. 19˚C, W.B. 15˚C	D.B. -5˚C

3. Above data based on indicated voltage
Indoor Unit 1 phase 240V 50Hz
Outdoor Unit 3 phase 415V 50Hz

5 DATA

1. PERFORMANCE DATA

1) COOLING CAPACITY(1)

PLH-P1.6KAH, PLA-P1.6KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	4356	3049	0.70	1.49	4224	2957	0.70	1.57	4092	2864	0.70	1.66
20	18	4664	2705	0.58	1.52	4532	2629	0.58	1.60	4378	2539	0.58	1.71
20	20	5016	2307	0.46	1.56	4906	2257	0.46	1.64	4774	2196	0.46	1.75
22	16	4356	3398	0.78	1.49	4224	3296	0.78	1.57	4092	3192	0.78	1.66
22	18	4664	3078	0.66	1.52	4532	2991	0.66	1.60	4378	2889	0.66	1.71
22	20	5016	2709	0.54	1.56	4906	2649	0.54	1.64	4774	2578	0.54	1.75
24	16	4356	3746	0.86	1.49	4224	3633	0.86	1.57	4092	3519	0.86	1.66
24	18	4664	3451	0.74	1.52	4532	3354	0.74	1.60	4378	3240	0.74	1.71
24	20	5016	3110	0.62	1.56	4906	3042	0.62	1.64	4774	2960	0.62	1.75
24	22	5346	2673	0.50	1.60	5236	2618	0.50	1.69	5104	2552	0.50	1.80
26	16	4356	4095	0.94	1.49	4224	3971	0.94	1.57	4092	3846	0.94	1.66
26	18	4664	3824	0.82	1.52	4532	3716	0.82	1.60	4378	3590	0.82	1.71
26	20	5016	3511	0.70	1.56	4906	3434	0.70	1.64	4774	3342	0.70	1.75
26	22	5346	3101	0.58	1.60	5236	3037	0.58	1.69	5104	2960	0.58	1.80
28	16	4356	4356	1.00	1.49	4224	4224	1.00	1.57	4092	4092	1.00	1.66
28	18	4664	4198	0.90	1.52	4532	4079	0.90	1.60	4378	3940	0.90	1.71
28	20	5016	3912	0.78	1.56	4906	3827	0.78	1.64	4774	3724	0.78	1.75
28	22	5346	3528	0.66	1.60	5236	3456	0.66	1.69	5104	3369	0.66	1.80
30	16	4356	4356	1.00	1.49	4224	4224	1.00	1.57	4092	4092	1.00	1.66
30	18	4664	4571	0.98	1.52	4532	4441	0.98	1.60	4378	4290	0.98	1.71
30	20	5016	4314	0.86	1.56	4906	4219	0.86	1.64	4774	4106	0.86	1.75
30	22	5346	3956	0.74	1.60	5236	3875	0.74	1.69	5104	3777	0.74	1.80
32	16	4356	4356	1.00	1.49	4224	4224	1.00	1.57	4092	4092	1.00	1.66
32	18	4664	4664	1.00	1.52	4532	4532	1.00	1.60	4378	4378	1.00	1.71
32	20	5016	4715	0.94	1.56	4906	4612	0.94	1.64	4774	4488	0.94	1.75
32	22	5346	4384	0.82	1.60	5236	4294	0.82	1.69	5104	4185	0.82	1.80
34	16	4356	4356	1.00	1.49	4224	4224	1.00	1.57	4092	4092	1.00	1.66
34	18	4664	4664	1.00	1.52	4532	4532	1.00	1.60	4378	4378	1.00	1.71
34	20	5016	5016	1.00	1.56	4906	4906	1.00	1.64	4774	4774	1.00	1.75
34	22	5346	4811	0.90	1.60	5236	4712	0.90	1.69	5104	4594	0.90	1.80

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

COOLING CAPACITY(2)
PLH-P1.6KAH, PLA-P1.6KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	3916	2741	0.70	1.79	3740	2618	0.70	1.92	3652	2556	0.70	2.01
20	18	4224	2450	0.58	1.83	4092	2373	0.58	1.97	3960	2297	0.58	2.06
20	20	4576	2105	0.46	1.88	4400	2024	0.46	2.01	4268	1963	0.46	2.10
22	16	3916	3054	0.78	1.79	3740	2917	0.78	1.92	3652	2849	0.78	2.01
22	18	4224	2788	0.66	1.83	4092	2701	0.66	1.97	3960	2614	0.66	2.06
22	20	4576	2471	0.54	1.88	4400	2376	0.54	2.01	4268	2305	0.54	2.10
24	16	3916	3368	0.86	1.79	3740	3216	0.86	1.92	3652	3141	0.86	2.01
24	18	4224	3126	0.74	1.83	4092	3028	0.74	1.97	3960	2930	0.74	2.06
24	20	4576	2837	0.62	1.88	4400	2728	0.62	2.01	4268	2646	0.62	2.10
24	22	4928	2464	0.50	1.92	4752	2376	0.50	2.06	4620	2310	0.50	2.16
26	16	3916	3681	0.94	1.79	3740	3516	0.94	1.92	3652	3433	0.94	2.01
26	18	4224	3464	0.82	1.83	4092	3355	0.82	1.97	3960	3247	0.82	2.06
26	20	4576	3203	0.70	1.88	4400	3080	0.70	2.01	4268	2988	0.70	2.10
26	22	4928	2858	0.58	1.92	4752	2756	0.58	2.06	4620	2680	0.58	2.16
28	16	3916	3916	1.00	1.79	3740	3740	1.00	1.92	3652	3652	1.00	2.01
28	18	4224	3802	0.90	1.83	4092	3683	0.90	1.97	3960	3564	0.90	2.06
28	20	4576	3569	0.78	1.88	4400	3432	0.78	2.01	4268	3329	0.78	2.10
28	22	4928	3252	0.66	1.92	4752	3136	0.66	2.06	4620	3049	0.66	2.16
30	16	3916	3916	1.00	1.79	3740	3740	1.00	1.92	3652	3652	1.00	2.01
30	18	4224	4140	0.98	1.83	4092	4010	0.98	1.97	3960	3881	0.98	2.06
30	20	4576	3935	0.86	1.88	4400	3784	0.86	2.01	4268	3670	0.86	2.10
30	22	4928	3647	0.74	1.92	4752	3516	0.74	2.06	4620	3419	0.74	2.16
32	16	3916	3916	1.00	1.79	3740	3740	1.00	1.92	3652	3652	1.00	2.01
32	18	4224	4224	1.00	1.83	4092	4092	1.00	1.97	3960	3960	1.00	2.06
32	20	4576	4301	0.94	1.88	4400	4136	0.94	2.01	4268	4012	0.94	2.10
32	22	4928	4041	0.82	1.92	4752	3897	0.82	2.06	4620	3788	0.82	2.16
34	16	3916	3916	1.00	1.79	3740	3740	1.00	1.92	3652	3652	1.00	2.01
34	18	4224	4224	1.00	1.83	4092	4092	1.00	1.97	3960	3960	1.00	2.06
34	20	4576	4576	1.00	1.88	4400	4400	1.00	2.01	4268	4268	1.00	2.10
34	22	4928	4435	0.90	1.92	4752	4277	0.90	2.06	4620	4158	0.90	2.16

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

COOLING CAPACITY(3)
PLH-P2KAH, PLA-P2KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	5346	3421	0.64	2.10	5184	3318	0.64	2.21	5022	3214	0.64	2.34
20	18	5724	2976	0.52	2.14	5562	2892	0.52	2.25	5373	2794	0.52	2.41
20	20	6156	2462	0.40	2.20	6021	2408	0.40	2.31	5859	2344	0.40	2.46
22	16	5346	3849	0.72	2.10	5184	3732	0.72	2.21	5022	3616	0.72	2.34
22	18	5724	3434	0.60	2.14	5562	3337	0.60	2.25	5373	3224	0.60	2.41
22	20	6156	2955	0.48	2.20	6021	2890	0.48	2.31	5859	2812	0.48	2.46
24	16	5346	4277	0.80	2.10	5184	4147	0.80	2.21	5022	4018	0.80	2.34
24	18	5724	3892	0.68	2.14	5562	3782	0.68	2.25	5373	3654	0.68	2.41
24	20	6156	3447	0.56	2.20	6021	3372	0.56	2.31	5859	3281	0.56	2.46
24	22	6561	2887	0.44	2.25	6426	2827	0.44	2.38	6264	2756	0.44	2.54
26	16	5346	4704	0.88	2.10	5184	4562	0.88	2.21	5022	4419	0.88	2.34
26	18	5724	4350	0.76	2.14	5562	4227	0.76	2.25	5373	4083	0.76	2.41
26	20	6156	3940	0.64	2.20	6021	3853	0.64	2.31	5859	3750	0.64	2.46
26	22	6561	3412	0.52	2.25	6426	3342	0.52	2.38	6264	3257	0.52	2.54
28	16	5346	5132	0.96	2.10	5184	4977	0.96	2.21	5022	4821	0.96	2.34
28	18	5724	4808	0.84	2.14	5562	4672	0.84	2.25	5373	4513	0.84	2.41
28	20	6156	4432	0.72	2.20	6021	4335	0.72	2.31	5859	4218	0.72	2.46
28	22	6561	3937	0.60	2.25	6426	3856	0.60	2.38	6264	3758	0.60	2.54
30	16	5346	5346	1.00	2.10	5184	5184	1.00	2.21	5022	5022	1.00	2.34
30	18	5724	5266	0.92	2.14	5562	5117	0.92	2.25	5373	4943	0.92	2.41
30	20	6156	4925	0.80	2.20	6021	4817	0.80	2.31	5859	4687	0.80	2.46
30	22	6561	4461	0.68	2.25	6426	4370	0.68	2.38	6264	4260	0.68	2.54
32	16	5346	5346	1.00	2.10	5184	5184	1.00	2.21	5022	5022	1.00	2.34
32	18	5724	5724	1.00	2.14	5562	5562	1.00	2.25	5373	5373	1.00	2.41
32	20	6156	5417	0.88	2.20	6021	5298	0.88	2.31	5859	5156	0.88	2.46
32	22	6561	4986	0.76	2.25	6426	4884	0.76	2.38	6264	4761	0.76	2.54
34	16	5346	5346	1.00	2.10	5184	5184	1.00	2.21	5022	5022	1.00	2.34
34	18	5724	5724	1.00	2.14	5562	5562	1.00	2.25	5373	5373	1.00	2.41
34	20	6156	5910	0.96	2.20	6021	5780	0.96	2.31	5859	5625	0.96	2.46
34	22	6561	5511	0.84	2.25	6426	5398	0.84	2.38	6264	5262	0.84	2.54

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

COOLING CAPACITY(4)
PLH-P2KAH, PLA-P2KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	4806	3076	0.64	2.52	4590	2938	0.64	2.70	4374	2799	0.64	2.92
20	18	5184	2696	0.52	2.58	5022	2611	0.52	2.78	4698	2443	0.52	2.99
20	20	5616	2246	0.40	2.65	5400	2160	0.40	2.83	5076	2030	0.40	3.04
22	16	4806	3460	0.72	2.52	4590	3305	0.72	2.70	4374	3149	0.72	2.92
22	18	5184	3110	0.60	2.58	5022	3013	0.60	2.78	4698	2819	0.60	2.99
22	20	5616	2696	0.48	2.65	5400	2592	0.48	2.83	5076	2436	0.48	3.04
24	16	4806	3845	0.80	2.52	4590	3672	0.80	2.70	4374	3499	0.80	2.92
24	18	5184	3525	0.68	2.58	5022	3415	0.68	2.78	4698	3195	0.68	2.99
24	20	5616	3145	0.56	2.65	5400	3024	0.56	2.83	5076	2843	0.56	3.04
24	22	6048	2661	0.44	2.70	5832	2566	0.44	2.91	5508	2424	0.44	3.09
26	16	4806	4229	0.88	2.52	4590	4039	0.88	2.70	4374	3849	0.88	2.92
26	18	5184	3940	0.76	2.58	5022	3817	0.76	2.78	4698	3570	0.76	2.99
26	20	5616	3594	0.64	2.65	5400	3456	0.64	2.83	5076	3249	0.64	3.04
26	22	6048	3145	0.52	2.70	5832	3033	0.52	2.91	5508	2864	0.52	3.09
28	16	4806	4614	0.96	2.52	4590	4406	0.96	2.70	4374	4199	0.96	2.92
28	18	5184	4355	0.84	2.58	5022	4218	0.84	2.78	4698	3946	0.84	2.99
28	20	5616	4044	0.72	2.65	5400	3888	0.72	2.83	5076	3655	0.72	3.04
28	22	6048	3629	0.60	2.70	5832	3499	0.60	2.91	5508	3305	0.60	3.09
30	16	4806	4806	1.00	2.52	4590	4590	1.00	2.70	4374	4374	1.00	2.92
30	18	5184	4769	0.92	2.58	5022	4620	0.92	2.78	4698	4322	0.92	2.99
30	20	5616	4493	0.80	2.65	5400	4320	0.80	2.83	5076	4061	0.80	3.04
30	22	6048	4113	0.68	2.70	5832	3966	0.68	2.91	5508	3745	0.68	3.09
32	16	4806	4806	1.00	2.52	4590	4590	1.00	2.70	4374	4374	1.00	2.92
32	18	5184	5184	1.00	2.58	5022	5022	1.00	2.78	4698	4698	1.00	2.99
32	20	5616	4942	0.88	2.65	5400	4752	0.88	2.83	5076	4467	0.88	3.04
32	22	6048	4596	0.76	2.70	5832	4432	0.76	2.91	5508	4186	0.76	3.09
34	16	4806	4806	1.00	2.52	4590	4590	1.00	2.70	4374	4374	1.00	2.92
34	18	5184	5184	1.00	2.58	5022	5022	1.00	2.78	4698	4698	1.00	2.99
34	20	5616	5391	0.96	2.65	5400	5184	0.96	2.83	5076	4873	0.96	3.04
34	22	6048	5080	0.84	2.70	5832	4899	0.84	2.91	5508	4627	0.84	3.09

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

COOLING CAPACITY(5)
PLH-P2.5KAH, PLA-P2.5KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	6237	4054	0.65	2.22	6048	3931	0.65	2.34	5859	3808	0.65	2.48
20	18	6678	3539	0.53	2.26	6489	3439	0.53	2.38	6269	3322	0.53	2.55
20	20	7182	2945	0.41	2.33	7025	2880	0.41	2.44	6836	2803	0.41	2.60
22	16	6237	4553	0.73	2.22	6048	4415	0.73	2.34	5859	4277	0.73	2.48
22	18	6678	4074	0.61	2.26	6489	3958	0.61	2.38	6269	3824	0.61	2.55
22	20	7182	3519	0.49	2.33	7025	3442	0.49	2.44	6836	3349	0.49	2.60
24	16	6237	5052	0.81	2.22	6048	4899	0.81	2.34	5859	4746	0.81	2.48
24	18	6678	4608	0.69	2.26	6489	4477	0.69	2.38	6269	4325	0.69	2.55
24	20	7182	4094	0.57	2.33	7025	4004	0.57	2.44	6836	3896	0.57	2.60
24	22	7655	3445	0.45	2.38	7497	3374	0.45	2.52	7308	3289	0.45	2.69
26	16	6237	5551	0.89	2.22	6048	5383	0.89	2.34	5859	5215	0.89	2.48
26	18	6678	5142	0.77	2.26	6489	4997	0.77	2.38	6269	4827	0.77	2.55
26	20	7182	4668	0.65	2.33	7025	4566	0.65	2.44	6836	4443	0.65	2.60
26	22	7655	4057	0.53	2.38	7497	3973	0.53	2.52	7308	3873	0.53	2.69
28	16	6237	6050	0.97	2.22	6048	5867	0.97	2.34	5859	5683	0.97	2.48
28	18	6678	5676	0.85	2.26	6489	5516	0.85	2.38	6269	5328	0.85	2.55
28	20	7182	5243	0.73	2.33	7025	5128	0.73	2.44	6836	4990	0.73	2.60
28	22	7655	4669	0.61	2.38	7497	4573	0.61	2.52	7308	4458	0.61	2.69
30	16	6237	6237	1.00	2.22	6048	6048	1.00	2.34	5859	5859	1.00	2.48
30	18	6678	6211	0.93	2.26	6489	6035	0.93	2.38	6269	5830	0.93	2.55
30	20	7182	5817	0.81	2.33	7025	5690	0.81	2.44	6836	5537	0.81	2.60
30	22	7655	5282	0.69	2.38	7497	5173	0.69	2.52	7308	5043	0.69	2.69
32	16	6237	6237	1.00	2.22	6048	6048	1.00	2.34	5859	5859	1.00	2.48
32	18	6678	6678	1.00	2.26	6489	6489	1.00	2.38	6269	6269	1.00	2.55
32	20	7182	6392	0.89	2.33	7025	6252	0.89	2.44	6836	6084	0.89	2.60
32	22	7655	5894	0.77	2.38	7497	5773	0.77	2.52	7308	5627	0.77	2.69
34	16	6237	6237	1.00	2.22	6048	6048	1.00	2.34	5859	5859	1.00	2.48
34	18	6678	6678	1.00	2.26	6489	6489	1.00	2.38	6269	6269	1.00	2.55
34	20	7182	6967	0.97	2.33	7025	6814	0.97	2.44	6836	6630	0.97	2.60
34	22	7655	6506	0.85	2.38	7497	6372	0.85	2.52	7308	6212	0.85	2.69

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

COOLING CAPACITY(6)
PLH-P2.5KAH, PLA-P2.5KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	5607	3645	0.65	2.66	5355	3481	0.65	2.85	5103	3317	0.65	3.09
20	18	6048	3205	0.53	2.73	5859	3105	0.53	2.94	5481	2905	0.53	3.16
20	20	6552	2666	0.41	2.80	6300	2583	0.41	2.99	5922	2428	0.41	3.21
22	16	5607	4093	0.73	2.66	5355	3909	0.73	2.85	5103	3725	0.73	3.09
22	18	6048	3689	0.61	2.73	5859	3574	0.61	2.94	5481	3343	0.61	3.16
22	20	6552	3201	0.49	2.80	6300	3087	0.49	2.99	5922	2902	0.49	3.21
24	16	5607	4542	0.81	2.66	5355	4338	0.81	2.85	5103	4133	0.81	3.09
24	18	6048	4173	0.69	2.73	5859	4043	0.69	2.94	5481	3782	0.69	3.16
24	20	6552	3735	0.57	2.80	6300	3591	0.57	2.99	5922	3376	0.57	3.21
24	22	7056	3175	0.45	2.85	6804	3062	0.45	3.07	6426	2892	0.45	3.27
26	16	5607	4990	0.89	2.66	5355	4766	0.89	2.85	5103	4542	0.89	3.09
26	18	6048	4657	0.77	2.73	5859	4511	0.77	2.94	5481	4220	0.77	3.16
26	20	6552	4259	0.65	2.80	6300	4095	0.65	2.99	5922	3849	0.65	3.21
26	22	7056	3740	0.53	2.85	6804	3606	0.53	3.07	6426	3406	0.53	3.27
28	16	5607	5439	0.97	2.66	5355	5194	0.97	2.85	5103	4950	0.97	3.09
28	18	6048	5141	0.85	2.73	5859	4980	0.85	2.94	5481	4659	0.85	3.16
28	20	6552	4783	0.73	2.80	6300	4599	0.73	2.99	5922	4323	0.73	3.21
28	22	7056	4304	0.61	2.85	6804	4150	0.61	3.07	6426	3920	0.61	3.27
30	16	5607	5607	1.00	2.66	5355	5355	1.00	2.85	5103	5103	1.00	3.09
30	18	6048	5625	0.93	2.73	5859	5449	0.93	2.94	5481	5097	0.93	3.16
30	20	6552	5307	0.81	2.80	6300	5103	0.81	2.99	5922	4797	0.81	3.21
30	22	7056	4869	0.69	2.85	6804	4695	0.69	3.07	6426	4434	0.69	3.27
32	16	5607	5607	1.00	2.66	5355	5355	1.00	2.85	5103	5103	1.00	3.09
32	18	6048	6048	1.00	2.73	5859	5859	1.00	2.94	5481	5481	1.00	3.16
32	20	6552	5831	0.89	2.80	6300	5607	0.89	2.99	5922	5271	0.89	3.21
32	22	7056	5433	0.77	2.85	6804	5239	0.77	3.07	6426	4948	0.77	3.27
34	16	5607	5607	1.00	2.66	5355	5355	1.00	2.85	5103	5103	1.00	3.09
34	18	6048	6048	1.00	2.73	5859	5859	1.00	2.94	5481	5481	1.00	3.16
34	20	6552	6355	0.97	2.80	6300	6111	0.97	2.99	5922	5744	0.97	3.21
34	22	7056	5998	0.85	2.85	6804	5783	0.85	3.07	6426	5462	0.85	3.27

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

COOLING CAPACITY(7)
PLH-P3KAH, PLA-P3KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	7623	4955	0.65	2.78	7392	4805	0.65	2.93	7161	4655	0.65	3.11
20	18	8162	4326	0.53	2.83	7931	4203	0.53	2.98	7662	4061	0.53	3.19
20	20	8778	3599	0.41	2.91	8586	3520	0.41	3.05	8355	3425	0.41	3.26
22	16	7623	5565	0.73	2.78	7392	5396	0.73	2.93	7161	5228	0.73	3.11
22	18	8162	4979	0.61	2.83	7931	4838	0.61	2.98	7662	4674	0.61	3.19
22	20	8778	4301	0.49	2.91	8586	4207	0.49	3.05	8355	4094	0.49	3.26
24	16	7623	6175	0.81	2.78	7392	5988	0.81	2.93	7161	5800	0.81	3.11
24	18	8162	5632	0.69	2.83	7931	5472	0.69	2.98	7662	5286	0.69	3.19
24	20	8778	5003	0.57	2.91	8586	4894	0.57	3.05	8355	4762	0.57	3.26
24	22	9356	4210	0.45	2.98	9163	4123	0.45	3.16	8932	4019	0.45	3.37
26	16	7623	6784	0.89	2.78	7392	6579	0.89	2.93	7161	6373	0.89	3.11
26	18	8162	6285	0.77	2.83	7931	6107	0.77	2.98	7662	5899	0.77	3.19
26	20	8778	5706	0.65	2.91	8586	5581	0.65	3.05	8355	5430	0.65	3.26
26	22	9356	4958	0.53	2.98	9163	4856	0.53	3.16	8932	4734	0.53	3.37
28	16	7623	7394	0.97	2.78	7392	7170	0.97	2.93	7161	6946	0.97	3.11
28	18	8162	6938	0.85	2.83	7931	6741	0.85	2.98	7662	6512	0.85	3.19
28	20	8778	6408	0.73	2.91	8586	6267	0.73	3.05	8355	6099	0.73	3.26
28	22	9356	5707	0.61	2.98	9163	5589	0.61	3.16	8932	5449	0.61	3.37
30	16	7623	7623	1.00	2.78	7392	7392	1.00	2.93	7161	7161	1.00	3.11
30	18	8162	7591	0.93	2.83	7931	7376	0.93	2.98	7662	7125	0.93	3.19
30	20	8778	7110	0.81	2.91	8586	6954	0.81	3.05	8355	6767	0.81	3.26
30	22	9356	6455	0.69	2.98	9163	6322	0.69	3.16	8932	6163	0.69	3.37
32	16	7623	7623	1.00	2.78	7392	7392	1.00	2.93	7161	7161	1.00	3.11
32	18	8162	8162	1.00	2.83	7931	7931	1.00	2.98	7662	7662	1.00	3.19
32	20	8778	7812	0.89	2.91	8586	7641	0.89	3.05	8355	7436	0.89	3.26
32	22	9356	7204	0.77	2.98	9163	7056	0.77	3.16	8932	6878	0.77	3.37
34	16	7623	7623	1.00	2.78	7392	7392	1.00	2.93	7161	7161	1.00	3.11
34	18	8162	8162	1.00	2.83	7931	7931	1.00	2.98	7662	7662	1.00	3.19
34	20	8778	8515	0.97	2.91	8586	8328	0.97	3.05	8355	8104	0.97	3.26
34	22	9356	7952	0.85	2.98	9163	7789	0.85	3.16	8932	7592	0.85	3.37

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

COOLING CAPACITY(8)
PLH-P3KAH, PLA-P3KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	6853	4454	0.65	3.33	6545	4254	0.65	3.57	6237	4054	0.65	3.87
20	18	7392	3918	0.53	3.42	7161	3795	0.53	3.68	6699	3550	0.53	3.96
20	20	8008	3283	0.41	3.50	7700	3157	0.41	3.75	7238	2968	0.41	4.03
22	16	6853	5003	0.73	3.33	6545	4778	0.73	3.57	6237	4553	0.73	3.87
22	18	7392	4509	0.61	3.42	7161	4368	0.61	3.68	6699	4086	0.61	3.96
22	20	8008	3924	0.49	3.50	7700	3773	0.49	3.75	7238	3547	0.49	4.03
24	16	6853	5551	0.81	3.33	6545	5301	0.81	3.57	6237	5052	0.81	3.87
24	18	7392	5100	0.69	3.42	7161	4941	0.69	3.68	6699	4622	0.69	3.96
24	20	8008	4565	0.57	3.50	7700	4389	0.57	3.75	7238	4126	0.57	4.03
24	22	8624	3881	0.45	3.57	8316	3742	0.45	3.85	7854	3534	0.45	4.09
26	16	6853	6099	0.89	3.33	6545	5824	0.89	3.57	6237	5551	0.89	3.87
26	18	7392	5692	0.77	3.42	7161	5514	0.77	3.68	6699	5158	0.77	3.96
26	20	8008	5205	0.65	3.50	7700	5005	0.65	3.75	7238	4705	0.65	4.03
26	22	8624	4571	0.53	3.57	8316	4407	0.53	3.85	7854	4163	0.53	4.09
28	16	6853	6647	0.97	3.33	6545	6349	0.97	3.57	6237	6050	0.97	3.87
28	18	7392	6283	0.85	3.42	7161	6087	0.85	3.68	6699	5694	0.85	3.96
28	20	8008	5846	0.73	3.50	7700	5621	0.73	3.75	7238	5284	0.73	4.03
28	22	8624	5261	0.61	3.57	8316	5073	0.61	3.85	7854	4791	0.61	4.09
30	16	6853	6853	1.00	3.33	6545	6545	1.00	3.57	6237	6237	1.00	3.87
30	18	7392	6875	0.93	3.42	7161	6660	0.93	3.68	6699	6230	0.93	3.96
30	20	8008	6486	0.81	3.50	7700	6237	0.81	3.75	7238	5863	0.81	4.03
30	22	8624	5951	0.69	3.57	8316	5738	0.69	3.85	7854	5419	0.69	4.09
32	16	6853	6853	1.00	3.33	6545	6545	1.00	3.57	6237	6237	1.00	3.87
32	18	7392	7392	1.00	3.42	7161	7161	1.00	3.68	6699	6699	1.00	3.96
32	20	8008	7127	0.89	3.50	7700	6853	0.89	3.75	7238	6442	0.89	4.03
32	22	8624	6640	0.77	3.57	8316	6403	0.77	3.85	7854	6048	0.77	4.09
34	16	6853	6853	1.00	3.33	6545	6545	1.00	3.57	6237	6237	1.00	3.87
34	18	7392	7392	1.00	3.42	7161	7161	1.00	3.68	6699	6699	1.00	3.96
34	20	8008	7768	0.97	3.50	7700	7469	0.97	3.75	7238	7021	0.97	4.03
34	22	8624	7330	0.85	3.57	8316	7069	0.85	3.85	7854	6676	0.85	4.09

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

COOLING CAPACITY(9)
PLH-P4KAH, PLA-P4KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	9603	6338	0.66	2.86	9312	6146	0.66	3.02	9021	5954	0.66	3.20
20	18	10282	5552	0.54	2.91	9991	5395	0.54	3.07	9652	5212	0.54	3.28
20	20	11058	4644	0.42	3.00	10816	4543	0.42	3.14	10525	4420	0.42	3.36
22	16	9603	7106	0.74	2.86	9312	6891	0.74	3.02	9021	6676	0.74	3.20
22	18	10282	6375	0.62	2.91	9991	6194	0.62	3.07	9652	5984	0.62	3.28
22	20	11058	5529	0.50	3.00	10816	5408	0.50	3.14	10525	5262	0.50	3.36
24	16	9603	7874	0.82	2.86	9312	7636	0.82	3.02	9021	7397	0.82	3.20
24	18	10282	7197	0.70	2.91	9991	6994	0.70	3.07	9652	6756	0.70	3.28
24	20	11058	6414	0.58	3.00	10816	6273	0.58	3.14	10525	6104	0.58	3.36
24	22	11786	5421	0.46	3.07	11543	5310	0.46	3.25	11252	5176	0.46	3.46
26	16	9603	8643	0.90	2.86	9312	8381	0.90	3.02	9021	8119	0.90	3.20
26	18	10282	8020	0.78	2.91	9991	7793	0.78	3.07	9652	7528	0.78	3.28
26	20	11058	7298	0.66	3.00	10816	7138	0.66	3.14	10525	6946	0.66	3.36
26	22	11786	6364	0.54	3.07	11543	6233	0.54	3.25	11252	6076	0.54	3.46
28	16	9603	9411	0.98	2.86	9312	9126	0.98	3.02	9021	8841	0.98	3.20
28	18	10282	8843	0.86	2.91	9991	8592	0.86	3.07	9652	8300	0.86	3.28
28	20	11058	8183	0.74	3.00	10816	8003	0.74	3.14	10525	7788	0.74	3.36
28	22	11786	7307	0.62	3.07	11543	7157	0.62	3.25	11252	6976	0.62	3.46
30	16	9603	9603	1.00	2.86	9312	9312	1.00	3.02	9021	9021	1.00	3.20
30	18	10282	9665	0.94	2.91	9991	9392	0.94	3.07	9652	9072	0.94	3.28
30	20	11058	9068	0.82	3.00	10816	8869	0.82	3.14	10525	8630	0.82	3.36
30	22	11786	8250	0.70	3.07	11543	8080	0.70	3.25	11252	7876	0.70	3.46
32	16	9603	9603	1.00	2.86	9312	9312	1.00	3.02	9021	9021	1.00	3.20
32	18	10282	10282	1.00	2.91	9991	9991	1.00	3.07	9652	9652	1.00	3.28
32	20	11058	9952	0.90	3.00	10816	9734	0.90	3.14	10525	9472	0.90	3.36
32	22	11786	9193	0.78	3.07	11543	9004	0.78	3.25	11252	8777	0.78	3.46
34	16	9603	9603	1.00	2.86	9312	9312	1.00	3.02	9021	9021	1.00	3.20
34	18	10282	10282	1.00	2.91	9991	9991	1.00	3.07	9652	9652	1.00	3.28
34	20	11058	10837	0.98	3.00	10816	10599	0.98	3.14	10525	10314	0.98	3.36
34	22	11786	10136	0.86	3.07	11543	9927	0.86	3.25	11252	9677	0.86	3.46

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

COOLING CAPACITY(10)
PLH-P4KAH, PLA-P4KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	8633	5698	0.66	3.43	8245	5442	0.66	3.68	7857	5186	0.66	3.98
20	18	9312	5028	0.54	3.52	9021	4871	0.54	3.78	8439	4557	0.54	4.07
20	20	10088	4237	0.42	3.61	9700	4074	0.42	3.86	9118	3830	0.42	4.14
22	16	8633	6388	0.74	3.43	8245	6101	0.74	3.68	7857	5814	0.74	3.98
22	18	9312	5773	0.62	3.52	9021	5593	0.62	3.78	8439	5232	0.62	4.07
22	20	10088	5044	0.50	3.61	9700	4850	0.50	3.86	9118	4559	0.50	4.14
24	16	8633	7079	0.82	3.43	8245	6761	0.82	3.68	7857	6443	0.82	3.98
24	18	9312	6518	0.70	3.52	9021	6315	0.70	3.78	8439	5907	0.70	4.07
24	20	10088	5851	0.58	3.61	9700	5626	0.58	3.86	9118	5288	0.58	4.14
24	22	10864	4997	0.46	3.68	10476	4819	0.46	3.96	9894	4551	0.46	4.21
26	16	8633	7770	0.90	3.43	8245	7421	0.90	3.68	7857	7071	0.90	3.98
26	18	9312	7263	0.78	3.52	9021	7036	0.78	3.78	8439	6582	0.78	4.07
26	20	10088	6658	0.66	3.61	9700	6402	0.66	3.86	9118	6018	0.66	4.14
26	22	10864	5867	0.54	3.68	10476	5657	0.54	3.96	9894	5343	0.54	4.21
28	16	8633	8460	0.98	3.43	8245	8080	0.98	3.68	7857	7700	0.98	3.98
28	18	9312	8008	0.86	3.52	9021	7758	0.86	3.78	8439	7258	0.86	4.07
28	20	10088	7465	0.74	3.61	9700	7178	0.74	3.86	9118	6747	0.74	4.14
28	22	10864	6736	0.62	3.68	10476	6495	0.62	3.96	9894	6134	0.62	4.21
30	16	8633	8633	1.00	3.43	8245	8245	1.00	3.68	7857	7857	1.00	3.98
30	18	9312	8753	0.94	3.52	9021	8480	0.94	3.78	8439	7933	0.94	4.07
30	20	10088	8272	0.82	3.61	9700	7954	0.82	3.86	9118	7477	0.82	4.14
30	22	10864	7605	0.70	3.68	10476	7333	0.70	3.96	9894	6926	0.70	4.21
32	16	8633	8633	1.00	3.43	8245	8245	1.00	3.68	7857	7857	1.00	3.98
32	18	9312	9312	1.00	3.52	9021	9021	1.00	3.78	8439	8439	1.00	4.07
32	20	10088	9079	0.90	3.61	9700	8730	0.90	3.86	9118	8206	0.90	4.14
32	22	10864	8474	0.78	3.68	10476	8171	0.78	3.96	9894	7717	0.78	4.21
34	16	8633	8633	1.00	3.43	8245	8245	1.00	3.68	7857	7857	1.00	3.98
34	18	9312	9312	1.00	3.52	9021	9021	1.00	3.78	8439	8439	1.00	4.07
34	20	10088	9886	0.98	3.61	9700	9506	0.98	3.86	9118	8936	0.98	4.14
34	22	10864	9343	0.86	3.68	10476	9009	0.86	3.96	9894	8509	0.86	4.21

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

COOLING CAPACITY(11)
PLH-P5KAH, PLA-P5KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	12672	7857	0.62	4.38	12288	7619	0.62	4.62	11904	7380	0.62	4.90
20	18	13568	6784	0.50	4.46	13184	6592	0.50	4.70	12736	6368	0.50	5.03
20	20	14592	5545	0.38	4.59	14272	5423	0.38	4.81	13888	5277	0.38	5.14
22	16	12672	8870	0.70	4.38	12288	8602	0.70	4.62	11904	8333	0.70	4.90
22	18	13568	7869	0.58	4.46	13184	7647	0.58	4.70	12736	7387	0.58	5.03
22	20	14592	6712	0.46	4.59	14272	6565	0.46	4.81	13888	6388	0.46	5.14
24	16	12672	9884	0.78	4.38	12288	9585	0.78	4.62	11904	9285	0.78	4.90
24	18	13568	8955	0.66	4.46	13184	8701	0.66	4.70	12736	8406	0.66	5.03
24	20	14592	7880	0.54	4.59	14272	7707	0.54	4.81	13888	7500	0.54	5.14
24	22	15552	6532	0.42	4.70	15232	6397	0.42	4.98	14848	6236	0.42	5.31
26	16	12672	10898	0.86	4.38	12288	10568	0.86	4.62	11904	10237	0.86	4.90
26	18	13568	10040	0.74	4.46	13184	9756	0.74	4.70	12736	9425	0.74	5.03
26	20	14592	9047	0.62	4.59	14272	8849	0.62	4.81	13888	8611	0.62	5.14
26	22	15552	7776	0.50	4.70	15232	7616	0.50	4.98	14848	7424	0.50	5.31
28	16	12672	11912	0.94	4.38	12288	11551	0.94	4.62	11904	11190	0.94	4.90
28	18	13568	11126	0.82	4.46	13184	10811	0.82	4.70	12736	10444	0.82	5.03
28	20	14592	10214	0.70	4.59	14272	9990	0.70	4.81	13888	9722	0.70	5.14
28	22	15552	9020	0.58	4.70	15232	8835	0.58	4.98	14848	8612	0.58	5.31
30	16	12672	12672	1.00	4.38	12288	12288	1.00	4.62	11904	11904	1.00	4.90
30	18	13568	12211	0.90	4.46	13184	11866	0.90	4.70	12736	11462	0.90	5.03
30	20	14592	11382	0.78	4.59	14272	11132	0.78	4.81	13888	10833	0.78	5.14
30	22	15552	10264	0.66	4.70	15232	10053	0.66	4.98	14848	9800	0.66	5.31
32	16	12672	12672	1.00	4.38	12288	12288	1.00	4.62	11904	11904	1.00	4.90
32	18	13568	13297	0.98	4.46	13184	12920	0.98	4.70	12736	12481	0.98	5.03
32	20	14592	12549	0.86	4.59	14272	12274	0.86	4.81	13888	11944	0.86	5.14
32	22	15552	11508	0.74	4.70	15232	11272	0.74	4.98	14848	10988	0.74	5.31
34	16	12672	12672	1.00	4.38	12288	12288	1.00	4.62	11904	11904	1.00	4.90
34	18	13568	13568	1.00	4.46	13184	13184	1.00	4.70	12736	12736	1.00	5.03
34	20	14592	13716	0.94	4.59	14272	13416	0.94	4.81	13888	13055	0.94	5.14
34	22	15552	12753	0.82	4.70	15232	12490	0.82	4.98	14848	12175	0.82	5.31

Note CA : Capacity (W)　　SHC(W) : Sensible heat capacity
P.C. : Power consumption (kW)　　SHF : Sensible heat factor

COOLING CAPACITY(12)
PLH-P5KAH, PLA-P5KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	11392	7063	0.62	5.25	10880	6746	0.62	5.63	10368	6428	0.62	6.10
20	18	12288	6144	0.50	5.39	11904	5952	0.50	5.80	11136	5568	0.50	6.24
20	20	13312	5059	0.38	5.52	12800	4864	0.38	5.91	12032	4572	0.38	6.35
22	16	11392	7974	0.70	5.25	10880	7616	0.70	5.63	10368	7258	0.70	6.10
22	18	12288	7127	0.58	5.39	11904	6904	0.58	5.80	11136	6459	0.58	6.24
22	20	13312	6124	0.46	5.52	12800	5888	0.46	5.91	12032	5535	0.46	6.35
24	16	11392	8886	0.78	5.25	10880	8486	0.78	5.63	10368	8087	0.78	6.10
24	18	12288	8110	0.66	5.39	11904	7857	0.66	5.80	11136	7350	0.66	6.24
24	20	13312	7188	0.54	5.52	12800	6912	0.54	5.91	12032	6497	0.54	6.35
24	22	14336	6021	0.42	5.63	13824	5806	0.42	6.07	13056	5484	0.42	6.45
26	16	11392	9797	0.86	5.25	10880	9357	0.86	5.63	10368	8916	0.86	6.10
26	18	12288	9093	0.74	5.39	11904	8809	0.74	5.80	11136	8241	0.74	6.24
26	20	13312	8253	0.62	5.52	12800	7936	0.62	5.91	12032	7460	0.62	6.35
26	22	14336	7168	0.50	5.63	13824	6912	0.50	6.07	13056	6528	0.50	6.45
28	16	11392	10708	0.94	5.25	10880	10227	0.94	5.63	10368	9746	0.94	6.10
28	18	12288	70076	0.82	5.39	11904	9761	0.82	5.80	11136	9132	0.82	6.24
28	20	13312	9318	0.70	5.52	12800	8960	0.70	5.91	12032	8422	0.70	6.35
28	22	14336	8315	0.58	5.63	13824	8018	0.58	6.07	13056	7572	0.58	6.45
30	16	11392	11392	1.00	5.25	10880	10880	1.00	5.63	10368	70368	1.00	6.10
30	18	12288	11059	0.90	5.39	11904	10714	0.90	5.80	11136	10022	0.90	6.24
30	20	13312	10383	0.78	5.52	12800	9984	0.78	5.91	12032	9385	0.78	6.35
30	22	14336	9462	0.66	5.63	13824	9124	0.66	6.07	13056	8617	0.66	6.45
32	16	11392	11392	1.00	5.25	10880	10880	1.00	5.63	10368	10368	1.00	6.10
32	18	12288	12042	0.98	5.39	11904	11666	0.98	5.80	11136	10913	0.98	6.24
32	20	13312	11448	0.86	5.52	12800	11008	0.86	5.91	12032	10348	0.86	6.35
32	22	14336	10609	0.74	5.63	13824	10230	0.74	6.07	13056	9661	0.74	6.45
34	16	11392	11392	1.00	5.25	10880	10880	1.00	5.63	10368	10368	1.00	6.10
34	18	12288	12288	1.00	5.39	11904	11904	1.00	5.80	11136	11136	1.00	6.24
34	20	13312	12513	0.94	5.52	12800	12032	0.94	5.91	12032	11310	0.94	6.35
34	22	14336	11756	0.82	5.63	13824	11336	0.82	6.07	13056	10706	0.82	6.45

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

COOLING CAPACITY(13)
PLH-P6KAH, PLA-P6KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	14157	8777	0.62	5.26	13728	8511	0.62	5.56	13299	8245	0.62	5.89
20	18	15158	7579	0.50	5.36	14729	7365	0.50	5.66	14229	7114	0.50	6.05
20	20	16302	6195	0.38	5.53	15945	6059	0.38	5.79	15516	5896	0.38	6.19
22	16	14157	9910	0.70	5.26	13728	9610	0.70	5.56	13299	9309	0.70	5.89
22	18	15158	8792	0.58	5.36	14729	8543	0.58	5.66	14229	8253	0.58	6.05
22	20	16302	7499	0.46	5.53	15945	7334	0.46	5.79	15516	7137	0.46	6.19
24	16	14157	11042	0.78	5.26	13728	10708	0.78	5.56	13299	10373	0.78	5.89
24	18	15158	10004	0.66	5.36	14729	9721	0.66	5.66	14229	9391	0.66	6.05
24	20	16302	8803	0.54	5.53	15945	8610	0.54	5.79	15516	8378	0.54	6.19
24	22	17375	7297	0.42	5.66	17017	7147	0.42	5.99	16588	6967	0.42	6.38
26	16	14157	12175	0.86	5.26	13728	77806	0.86	5.56	13299	11437	0.86	5.89
26	18	15158	11217	0.74	5.36	14729	10899	0.74	5.66	14229	10529	0.74	6.05
26	20	16302	10107	0.62	5.53	15945	9886	0.62	5.79	15516	9620	0.62	6.19
26	22	17375	8687	0.50	5.66	17017	8509	0.50	5.99	16588	8294	0.50	6.38
28	16	14157	13308	0.94	5.26	13728	12904	0.94	5.56	13299	12501	0.94	5.89
28	18	15158	12430	0.82	5.36	14729	12078	0.82	5.66	14229	11667	0.82	6.05
28	20	16302	11411	0.70	5.53	15945	11161	0.70	5.79	15516	10861	0.70	6.19
28	22	17375	10077	0.58	5.66	17017	9870	0.58	5.99	16588	9621	0.58	6.38
30	16	14157	14157	1.00	5.26	13728	13728	1.00	5.56	13299	13299	1.00	5.89
30	18	15158	13642	0.90	5.36	14729	13256	0.90	5.66	14229	12806	0.90	6.05
30	20	16302	12716	0.78	5.53	15945	12437	0.78	5.79	15516	12102	0.78	6.19
30	22	17375	11467	0.66	5.66	17017	11231	0.66	5.99	16588	10948	0.66	6.38
32	16	14157	14157	1.00	5.26	13728	13728	1.00	5.56	13299	13299	1.00	5.89
32	18	15158	14855	0.98	5.36	14729	14434	0.98	5.66	14229	13944	0.98	6.05
32	20	16302	14020	0.86	5.53	15945	13712	0.86	5.79	15516	13343	0.86	6.19
32	22	17375	12857	0.74	5.66	17017	12593	0.74	5.99	16588	12275	0.74	6.38
34	16	14157	14157	1.00	5.26	13728	13728	1.00	5.56	13299	13299	1.00	5.89
34	18	15158	15158	1.00	5.36	14729	14729	1.00	5.66	14229	14229	1.00	6.05
34	20	16302	15324	0.94	5.53	15945	14988	0.94	5.79	15516	12585	0.94	6.19
34	22	17375	14247	0.82	5.66	17017	13954	0.82	5.99	16588	13602	0.82	6.38

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

COOLING CAPACITY(14)
PLH-P6KAH, PLA-P6KA

Indoor Intake air D.B.(°C)	Indoor Intake air W.B.(°C)	Outdoor intake air D.B.(°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	12727	7891	0.62	6.32	12155	7536	0.62	6.78	11583	7181	0.62	7.34
20	18	13728	6864	0.50	6.48	13299	6650	0.50	6.97	12441	6221	0.50	7.50
20	20	14872	5651	0.38	6.65	14300	5434	0.38	7.11	13442	5108	0.38	7.63
22	16	12727	8909	0.70	6.32	12155	8509	0.70	6.78	11583	8108	0.70	7.34
22	18	13728	7962	0.58	6.48	13299	7713	0.58	6.97	12441	7216	0.58	7.50
22	20	14872	6841	0.46	6.65	14300	6578	0.46	7.11	13442	6183	0.46	7.63
24	16	12727	9927	0.78	6.32	12155	9481	0.78	6.78	11583	9035	0.78	7.34
24	18	13728	9060	0.66	6.48	13299	8777	0.66	6.97	12441	8211	0.66	7.50
24	20	14872	8031	0.54	6.65	14300	7722	0.54	7.11	13442	7259	0.54	7.63
24	22	16016	6727	0.42	6.78	15444	6486	0.42	7.30	14586	6126	0.42	7.76
26	16	12727	10945	0.86	6.32	12155	10453	0.86	6.78	11583	9961	0.86	7.34
26	18	13728	10159	0.74	6.48	13299	9841	0.74	6.97	12441	9206	0.74	7.50
26	20	14872	9221	0.62	6.65	14300	8866	0.62	7.11	13442	8334	0.62	7.63
26	22	16016	8008	0.50	6.78	15444	7722	0.50	7.30	14586	7293	0.50	7.76
28	16	12727	11963	0.94	6.32	12155	11426	0.94	6.78	11583	10888	0.94	7.34
28	18	13728	11257	0.82	6.48	13299	10905	0.82	6.97	12441	10202	0.82	7.50
28	20	14872	10410	0.70	6.65	14300	10010	0.70	7.11	13442	9409	0.70	7.63
28	22	16016	9289	0.58	6.78	15444	8958	0.58	7.30	14586	8460	0.58	7.76
30	16	12727	12727	1.00	6.32	12155	12155	1.00	6.78	11583	11583	1.00	7.34
30	18	13728	12355	0.90	6.48	13299	11969	0.90	6.97	12441	11197	0.90	7.50
30	20	14872	11600	0.78	6.65	14300	11154	0.78	7.11	13442	10485	0.78	7.63
30	22	16016	10571	0.66	6.78	15444	10193	0.66	7.30	14586	9627	0.66	7.76
32	16	12727	12727	1.00	6.32	12155	12155	1.00	6.78	11583	11583	1.00	7.34
32	18	13728	13453	0.98	6.48	13299	13033	0.98	6.97	12441	12192	0.98	7.50
32	20	14872	12790	0.86	6.65	14300	12298	0.86	7.11	13442	11560	0.86	7.63
32	22	16016	11852	0.74	6.78	15444	11429	0.74	7.30	14586	10794	0.74	7.76
34	16	12727	12727	1.00	6.32	12155	12155	1.00	6.78	11583	11583	1.00	7.34
34	18	13728	13728	1.00	6.48	13299	13299	1.00	6.97	12441	12441	1.00	7.50
34	20	14872	13980	0.94	6.65	14300	13442	0.94	7.11	13442	12635	0.94	7.63
34	22	16016	13133	0.82	6.78	15444	12664	0.82	7.30	14586	11961	0.82	7.76

Note CA : Capacity (W)
P.C. : Power consumption (kW)
SHC(W) : Sensible heat capacity
SHF : Sensible heat factor

2) HEATING CAPACITY

Service Ref.	Indoor intake air D.B.(°C)	Outdoor intake air W.B.(°C)											
		-10		15		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLH-P1.6KAH PLA-P1.6KA	15	3,175	1.14	3,450	1.25	3,850	1.45	5,050	1.74	5,700	1.93	6,350	2.08
	20	3,050	1.24	3,300	1.35	3,650	1.56	4,875	1.87	5,500	2.08	6,125	2.24
	25	2,950	1.31	3,200	1.47	3,500	1.70	4,600	1.99	5,300	2.23	5,900	2.40
PLH-P2KAH PLA-P2KA	15	3,969	1.58	4,313	1.74	4,813	2.00	6,313	2.40	7,125	2.67	7,938	2.88
	20	3,813	1.71	4,125	1.87	4,563	2.16	6,094	2.59	6,875	2.88	7,656	3.10
	25	3,688	1.82	4,000	2.03	4,375	2.35	5,750	2.75	6,625	3.08	7,375	3.32
PLH-P2.5KAH PLA-P2.5KA	15	4,699	1.56	5,106	1.72	5,698	1.98	7,474	2.38	8,436	2.64	9,398	2.85
	20	4,514	1.69	4,884	1.85	5,402	2.14	7,215	2.56	8,140	2.85	9,065	3.06
	25	4,366	1.80	4,736	2.01	5,180	2.32	6,808	2.72	7,844	3.05	8,732	3.29
PLH-P3KAH PLA-P3KA	15	5,842	2.15	6,348	2.37	7,084	2.74	9,292	3.29	10,488	3.65	11,684	3.94
	20	5,612	2.34	6,072	2.56	6,716	2.96	8,970	3.54	10,120	3.94	11,270	4.23
	25	5,428	2.48	5,888	2.77	6,440	3.21	8,464	3.76	9,752	4.22	10,856	4.54
PLH-P4KAH PLA-P4KA	15	6,731	2.17	7,314	2.39	8,162	2.76	10,706	3.31	12,084	3.68	13,462	3.97
	20	6,466	2.36	6,996	2.58	7,738	2.98	10,335	3.57	11,660	3.97	12,985	4.27
	25	6,254	2.50	6,784	2.80	7,420	3.24	9,752	3.79	11,236	4.25	12,508	4.58
PLH-P5KAH PLA-P5KA	15	9,843	3.36	10,695	3.70	11,935	4.27	15,655	5.12	17,670	5.69	19,685	6.15
	20	9,455	3.64	10,230	3.98	11,315	4.61	15,113	5.52	17,050	6.15	18,988	6.60
	25	9,145	3.87	9,920	4.32	10,850	5.01	14,260	5.86	16,430	6.57	18,290	7.08
PLH-P6KAH PLA-P6KA	15	10,668	3.92	11,592	4.32	12,936	4.99	16,968	5.99	19,152	6.65	21,336	7.18
	20	10,248	4.26	11,088	4.66	12,264	5.39	16,380	6.45	18,480	7.18	20,580	7.71
	25	9,912	4.52	10,752	5.05	11,760	5.85	15,456	6.85	17,808	7.68	19,824	8.28

Note CA : Capacity (W)
P.C. : Power consumption (kW)

Cooling capacity correction factors

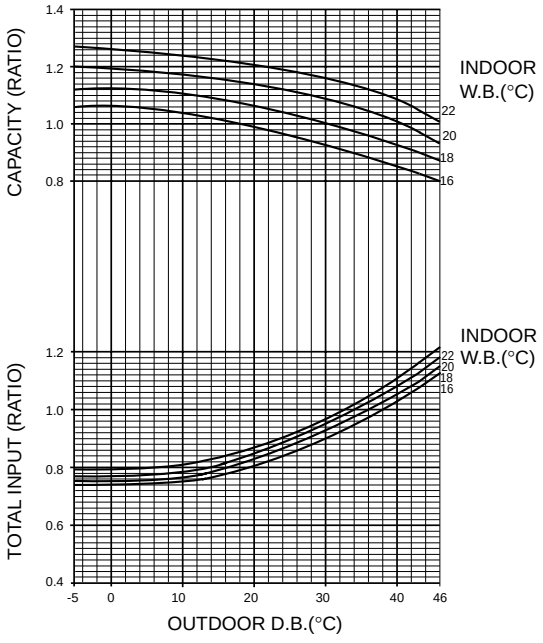
Service Ref.	Refrigerant piping length (one way)									
	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m
PLH-P1.6KAH PLA-P1.6KA	1.00	0.993	0.984	0.978	0.969	0.961	0.956	0.948	—	—
PLH-P2KAH PLA-P2KA	1.00	0.993	0.984	0.978	0.969	0.961	0.956	0.948	—	—
PLH-P2.5KAH PLA-P2.5KA	1.00	0.989	0.980	0.970	0.960	0.950	0.940	0.930	0.920	0.910
PLH-P3KAH PLA-P3KA	1.00	0.981	0.968	0.952	0.940	0.925	0.913	0.900	0.886	0.874
PLH-P4KAH PLA-P4KA	1.00	0.989	0.980	0.970	0.960	0.950	0.940	0.930	0.920	0.910
PLH-P5KAH PLA-P5KA	1.00	0.981	0.968	0.952	0.940	0.925	0.913	0.900	0.886	0.874
PLH-P6KAH PLA-P6KA	1.00	0.975	0.955	0.935	0.918	0.900	0.884	0.869	0.855	0.840

Heating capacity correction factors

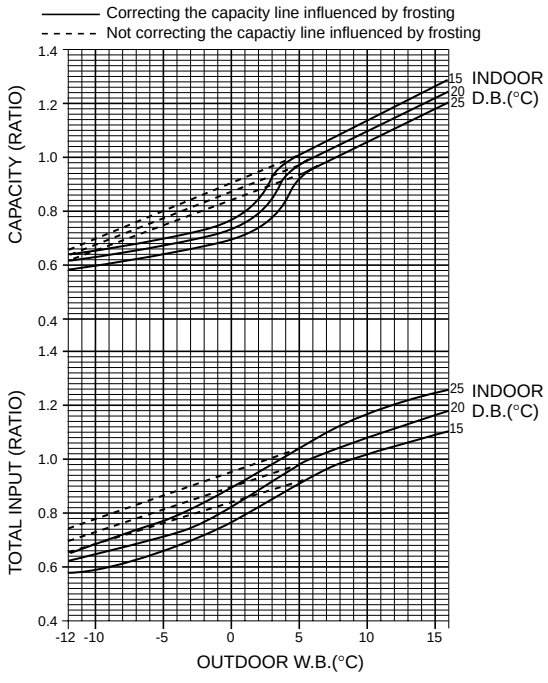
Service Ref.	Refrigerant piping length (one way)									
	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m
PLH-P1.6KAH PLA-P1.6KA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	—	—
PLH-P2KAH PLA-P2KA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	—	—
PLH-P2.5KAH PLA-P2.5KA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978
PLH-P3KAH PLA-P3KA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978
PLH-P4KAH PLA-P4KA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978
PLH-P5KAH PLA-P5KA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978
PLH-P6KAH PLA-P6KA	1.00	0.998	0.955	0.993	0.990	0.988	0.985	0.983	0.980	0.978

2. PERFORMANCE CURVE

Cooling performance curve(50Hz)



Heating performance curve(50Hz)



3. ELECTRICAL DATA

3.1. Heat pump type

Indoor unit … 220V 50Hz 1phase Outdoor unit…220V/380V 50Hz 1/3phase

Service Ref.	Indoor unit	With heater	PLH-P1.6KAH				PLH-P2KAH				PLH-P2.5KAH			
		Without herter	PLA-P1.6KA				PLA-P2KA				PLA-P2.5KA			
	Outdoor unit		PUH-P1.6VGA		PUH-P1.6YGA		PUH-P2VGA		PUH-P2YGA		PUH-P2.5VGA		PUH-P2.5YGA	
Mode			Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat
Capacity (W)			4,300	4,900 (6,070)	4,300	4,900 (6,070)	5,300	6,150 (7,320)	5,300	6,150 (7,320)	6,200	7,100 (8,860)	6,200	7,100 (8,860)
Total Input (kW)			1.73	1.78 (2.95)	1.73	1.78 (2.95)	2.52	2.56 (3.73)	2.52	2.56 (3.73)	2.70	2.56 (4.34)	2.70	2.56 (4.34)
Indoor unit	Input (kW)		0.12	0.08 <1.17>	0.12	0.08 <1.17>	0.12	0.08 <1.17>	0.12	0.08 <1.17>	0.12	0.09 <1.76>	0.12	0.09 <1.76>
	Current (A)		0.60	0.41 <5.32>	0.60	0.41 <5.32>	0.61	0.42 <5.32>	0.61	0.42 <5.32>	0.57	0.42 <8.00>	0.57	0.42 <8.00>
	Starting current (A)		0.66	0.45 <5.32>	0.66	0.45 <5.32>	0.67	0.46 <5.32>	0.67	0.46 <5.32>	0.63	0.46 <8.00>	0.63	0.46 <8.00>
Outdoor unit	Input (kW)		1.61	1.70	1.61	1.70	2.40	2.48	2.40	2.48	2.58	2.49	2.58	2.49
	Current (A)		7.54	7.96	2.75	2.90	11.13	11.50	4.01	4.14	11.96	11.54	4.31	4.16
	Starting current (A)		33	33	18	18	68	68	28	28	70	70	29	29

※ ( ) Shows the total rating.
< > Shows the only booster heater rating.

Indoor unit … 230V 50Hz 1phase Outdoor unit…230V/400V 50Hz 1/3phase

Service Ref.	Indoor unit	With heater	PLH-P1.6KAH				PLH-P2KAH				PLH-P2.5KAH			
		Without herter	PLA-P1.6KA				PLA-P2KA				PLA-P2.5KA			
	Outdoor unit		PUH-P1.6VGA		PUH-P1.6YGA		PUH-P2VGA		PUH-P2YGA		PUH-P2.5VGA		PUH-P2.5YGA	
Mode			Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat
Capacity (W)			4,350	4,950 (6,240)	4,350	4,950 (6,240)	5,350	6,200 (7,490)	5,350	6,200 (7,490)	6,250	7,250 (9,180)	6,250	7,250 (9,180)
Total Input (kW)			1.81	1.85 (3.14)	1.81	1.85 (3.14)	2.57	2.62 (3.91)	2.57	2.62 (3.91)	2.74	2.63 (4.56)	2.74	2.63 (4.56)
Indoor unit	Input (kW)		0.14	0.09 <1.29>	0.14	0.09 <1.29>	0.13	0.09 <1.29>	0.13	0.09 <1.29>	0.13	0.09 <1.93>	0.13	0.09 <1.93>
	Current (A)		0.62	0.43 <5.61>	0.62	0.43 <5.61>	0.63	0.44 <5.61>	0.63	0.44 <5.61>	0.59	0.43 <8.39>	0.59	0.43 <8.39>
	Starting current (A)		0.68	0.47 <5.61>	0.68	0.47 <5.61>	0.69	0.48 <5.61>	0.69	0.48 <5.61>	0.65	0.47 <8.39>	0.65	0.47 <8.39>
Outdoor unit	Input (kW)		1.67	1.76	1.67	1.76	2.44	2.53	2.44	2.53	2.61	2.54	2.61	2.54
	Current (A)		7.64	8.05	2.71	2.85	11.05	11.45	3.91	4.06	11.82	11.50	4.19	4.07
	Starting current (A)		35	35	19	19	71	71	29	29	74	74	31	31

※ ( ) Shows the total rating.
< > Shows the only booster heater rating.

Indoor unit … 240V 50Hz 1phase Outdoor unit…240V/415V 50Hz 1/3phase

Service Ref.	Indoor unit	With heater	PLH-P1.6KAH				PLH-P2KAH				PLH-P2.5KAH			
		Without herter	PLA-P1.6KA				PLA-P2KA				PLA-P2.5KA			
	Outdoor unit		PUH-P1.6VGA		PUH-P1.6YGA		PUH-P2VGA		PUH-P2YGA		PUH-P2.5VGA		PUH-P2.5YGA	
Mode			Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat
Capacity (W)			4,400	5,000 (6,400)	4,400	5,000 (6,400)	5,400	6,250 (7,650)	5,400	6,250 (7,650)	6,300	7,400 (9,500)	6,300	7,400 (9,500)
Total Input (kW)			1.86	1.93 (3.33)	1.86	1.93 (3.33)	2.62	2.67 (4.07)	2.62	2.67 (4.07)	2.77	2.68 (4.78)	2.77	2.68 (4.78)
Indoor unit	Input (kW)		0.15	0.10 <1.40>	0.15	0.10 <1.40>	0.14	0.10 <1.40>	0.14	0.10 <1.40>	0.14	0.10 <2.10>	0.14	0.10 <2.10>
	Current (A)		0.64	0.45 <5.83>	0.64	0.45 <5.83>	0.65	0.45 <5.83>	0.65	0.45 <5.83>	0.61	0.45 <8.75>	0.61	0.45 <8.75>
	Starting current (A)		0.70	0.50 <5.83>	0.70	0.50 <5.83>	0.72	0.50 <5.83>	0.72	0.50 <5.83>	0.67	0.50 <8.75>	0.67	0.50 <8.75>
Outdoor unit	Input (kW)		1.71	1.83	1.71	1.83	2.48	2.57	2.48	2.57	2.63	2.58	2.63	2.58
	Current (A)		7.66	8.19	2.67	2.86	11.11	11.51	3.88	4.02	11.78	11.55	4.11	4.03
	Starting current (A)		36	36	20	20	74	74	30	30	77	77	32	32

※ ( ) Shows the total rating.
< > Shows the only booster heater rating.

Indoor unit ··· 220V 50Hz 1phase Outdoor unit···220V/380V 50Hz 1/3phase

Service Ref.	Indoor unit	With heater	PLH-P3KAH				PLH-P4KAH		PLH-P5KAH		PLH-P6KAH	
		Without herter	PLA-P3KA				PLA-P4KA		PLA-P5KA		PLA-P6KA	
	Outdoor unit		PUH-P3VGA		PUH-P3YGA		PUH-P4YGA		PUH-P5YGA		PUH-P6YGA	
Mode			Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat
Capacity (W)			7,500	9,000 (10,760)	7,500	9,000 (10,760)	9,500	10,400 (12,160)	12,600	15,200 (17,720)	14,100	16,400 (18,920)
Total Input (kW)			3.45	3.63 (5.39)	3.45	3.63 (5.39)	3.54	3.72 (5.48)	5.45	5.66 (8.18)	6.50	6.63 (9.15)
Indoor unit	Input (kW)		0.13	0.13 <1.76>	0.13	0.13 <1.76>	0.21	0.21 <1.76>	0.22	0.22 <2.52>	0.22	0.22 <2.52>
Indoor unit	Current (A)		0.62	0.62 <8.00>	0.62	0.62 <8.00>	0.99	0.99 <8.00>	1.04	1.04 <11.45>	1.04	1.04 <11.45>
Indoor unit	Starting current (A)		0.82	0.82 <8.00>	0.82	0.82 <8.00>	1.27	1.27 <8.00>	1.27	1.27 <11.45>	1.27	1.27 <11.45>
Outdoor unit	Input (kW)		3.32	3.50	3.32	3.50	3.33	3.51	5.23	5.44	6.28	6.41
Outdoor unit	Current (A)		15.55	16.4	5.54	5.84	5.55	5.86	8.92	9.29	10.72	10.94
Outdoor unit	Starting current (A)		84	84	38	38	41	41	72	72	77	77

※ ( ) Shows the total rating.
< > Shows the only booster heater rating.

Indoor unit ··· 230V 50Hz 1phase Outdoor unit···230V/380V 50Hz 1/3phase

Service Ref.	Indoor unit	With heater	PLH-P3KAH				PLH-P4KAH		PLH-P5KAH		PLH-P6KAH	
		Without herter	PLA-P3KA				PLA-P4KA		PLA-P5KA		PLA-P6KA	
	Outdoor unit		PUH-P3VGA		PUH-P3YGA		PUH-P4YGA		PUH-P5YGA		PUH-P6YGA	
Mode			Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat
Capacity (W)			7,600	9,100 (11,030)	7,600	9,100 (11,030)	9,600	10,500 (12,430)	12,700	15,350 (18,110)	14,200	16,600 (19,360)
Total Input (kW)			3.46	3.64 (5.57)	3.46	3.64 (5.57)	3.56	3.74 (5.67)	5.46	5.68 (8.44)	6.54	6.64 (9.40)
Indoor unit	Input (kW)		0.13	0.13 <1.93>	0.13	0.13 <1.93>	0.21	0.21 <1.93>	0.22	0.22 <2.76>	0.22	0.22 <2.76>
Indoor unit	Current (A)		0.62	0.62 <8.39>	0.62	0.62 <8.39>	0.99	0.99 <8.39>	1.04	1.04 <12.00>	1.04	1.04 <12.00>
Indoor unit	Starting current (A)		0.87	0.87 <8.39>	0.87	0.87 <8.39>	1.33	1.33 <8.39>	1.33	1.33 <12.00>	1.33	1.33 <12.00>
Outdoor unit	Input (kW)		3.33	3.51	3.33	3.51	3.35	3.53	5.24	5.46	6.32	6.42
Outdoor unit	Current (A)		15.08	15.89	5.46	5.75	5.48	5.78	8.59	8.95	10.36	10.53
Outdoor unit	Starting current (A)		89	89	40	40	43	43	76	76	81	81

※ ( ) Shows the total rating.
< > Shows the only booster heater rating.

Indoor unit ··· 240V 50Hz 1phase Outdoor unit···240V/415V 50Hz 1/3phase

Service Ref.	Indoor unit	With heater	PLH-P3KAH				PLH-P4KAH		PLH-P5KAH		PLH-P6KAH	
		Without herter	PLA-P3KA				PLA-P4KA		PLA-P5KA		PLA-P6KA	
	Outdoor unit		PUH-P3VGA		PUH-P3YGA		PUH-P4YGA		PUH-P5YGA		PUH-P6YGA	
Mode			Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat
Capacity (W)			7,700	9,200 (11,300)	7,700	9,200 (11,300)	9,700	10,600 (12,700)	12,800	15,500 (18,500)	14,300	16,800 (19,800)
Total Input (kW)			3.47	3.65 (5.75)	3.47	3.65 (5.75)	3.57	3.75 (5.85)	5.47	5.69 (8.69)	6.58	6.65 (9.65)
Indoor unit	Input (kW)		0.13	0.13 <2.10>	0.13	0.13 <2.10>	0.21	0.21 <2.10>	0.22	0.22 <3.00>	0.22	0.22 <3.00>
Indoor unit	Current (A)		0.62	0.62 <8.75>	0.62	0.62 <8.75>	0.99	0.99 <8.75>	1.04	1.04 <12.50>	1.04	1.04 <12.50>
Indoor unit	Starting current (A)		0.91	0.91 <8.75>	0.91	0.91 <8.75>	1.38	1.38 <8.75>	1.38	1.38 <12.50>	1.38	1.38 <12.50>
Outdoor unit	Input (kW)		3.34	3.52	3.34	3.52	3.36	3.54	5.25	5.47	6.36	6.43
Outdoor unit	Current (A)		14.64	15.43	5.46	5.76	5.49	5.79	8.39	8.74	10.17	10.28
Outdoor unit	Starting current (A)		93	93	41	41	45	45	79	79	84	84

※ ( ) Shows the total rating.
< > Shows the only booster heater rating.

3. ELECTRICAL DATA

3.2. Cooling only type

Indoor unit ··· 220V 50Hz 1phase

Outdoor unit···220V 50Hz 1phase

Service Ref.	Indoor unit / Outdoor unit	PLA-P1.6KA / PU-P1.6VGA	PLA-P2KA / PU-P2VGA	PLA-P2.5KA / PU-P2.5VGA
Mode		Cool	Cool	Cool
Capacity (W)		4,300	5,300	6,200
Total Input (kW)		1.73	2.52	2.70
Indoor unit	Input (kW)	0.12	0.12	0.12
	Current (A)	0.60	0.61	0.57
	Starting current (A)	0.66	0.67	0.63
Outdoor unit	Input (kW)	1.61	2.40	2.58
	Current (A)	7.54	11.13	11.96
	Starting current (A)	33	68	70

Indoor unit ··· 230V 50Hz 1phase

Outdoor unit···230V 50Hz 1phase

Service Ref.	Indoor unit / Outdoor unit	PLA-P1.6KA / PU-P1.6VGA	PLA-P2KA / PU-P2VGA	PLA-P2.5KA / PU-P2.5VGA
Mode		Cool	Cool	Cool
Capacity (W)		4,350	5,350	6,250
Total Input (kW)		1.81	2.57	2.74
Indoor unit	Input (kW)	0.14	0.13	0.13
	Current (A)	0.62	0.63	0.59
	Starting current (A)	0.68	0.69	0.65
Outdoor unit	Input (kW)	1.67	2.44	2.61
	Current (A)	7.64	11.05	11.82
	Starting current (A)	35	71	74

Indoor unit ··· 240V 50Hz 1phase

Outdoor unit···240V 50Hz 1phase

Service Ref.	Indoor unit / Outdoor unit	PLA-P1.6KA / PU-P1.6VGA	PLA-P2KA / PU-P2VGA	PLA-P2.5KA / PU-P2.5VGA
Mode		Cool	Cool	Cool
Capacity (W)		4,400	5,400	6,300
Total Input (kW)		1.86	2.62	2.77
Indoor unit	Input (kW)	0.15	0.14	0.14
	Current (A)	0.64	0.65	0.61
	Starting current (A)	0.70	0.72	0.67
Outdoor unit	Input (kW)	1.71	2.48	2.63
	Current (A)	7.66	11.11	11.78
	Starting current (A)	36	74	77

3.2. Cooling only type
Indoor unit ··· 220V 50Hz 1phase
Outdoor unit···220V 50Hz 1/3phase

Service Ref.	Indoor unit / Outdoor unit	PLA-P3KA		PLA-P4KA	PLA-P5KA	PLA-P6KA
		PU-P3VGA	PU-P3YGA	PU-P4YGA	PU-P5YGA	PU-P6YGA
Mode		Cool	Cool	Cool	Cool	Cool
Capacity (W)		7,500	7,500	9,500	12,600	14,100
Total Input (kW)		3.45	3.45	3.54	5.45	6.50
Indoor unit	Input (kW)	0.13	0.13	0.21	0.22	0.22
	Current (A)	0.62	0.62	0.99	1.04	1.04
	Starting current (A)	0.82	0.82	1.27	1.27	1.27
Outdoor unit	Input (kW)	3.32	3.32	3.33	5.23	6.28
	Current (A)	15.55	5.54	5.55	8.92	10.72
	Starting current (A)	84	38	41	72	77

Indoor unit ··· 230V 50Hz 1phase
Outdoor unit···230V/380V 50Hz 1/3phase

Service Ref.	Indoor unit / Outdoor unit	PLA-P3KA		PLA-P4KA	PLA-P5KA	PLA-P6KA
		PU-P3VGA	PU-P3YGA	PU-P4YGA	PU-P5YGA	PU-P6YGA
Mode		Cool	Cool	Cool	Cool	Cool
Capacity (W)		7,600	7,600	9,600	12,700	14,200
Total Input (kW)		3.46	3.46	3.56	5.46	6.54
Indoor unit	Input (kW)	0.13	0.13	0.21	0.22	0.22
	Current (A)	0.62	0.62	0.99	1.04	1.04
	Starting current (A)	0.87	0.87	1.33	1.33	1.33
Outdoor unit	Input (kW)	3.33	3.33	3.35	5.24	6.32
	Current (A)	15.08	5.56	5.48	8.59	10.36
	Starting current (A)	89	40	43	76	81

Indoor unit ··· 240V 50Hz 1phase
Outdoor unit···240V/415V 50Hz 1/3phase

Service Ref.	Indoor unit / Outdoor unit	PLA-P3KA		PLA-P4KA	PLA-P5KA	PLA-P6KA
		PU-P3VGA	PU-P3YGA	PU-P4YGA	PU-P5YGA	PU-P6YGA
Mode		Cool	Cool	Cool	Cool	Cool
Capacity (W)		7,700	7,700	9,700	12,800	14,300
Total Input (kW)		3.47	3.47	3.57	5.47	6.58
Indoor unit	Input (kW)	0.13	0.13	0.21	0.22	0.22
	Current (A)	0.62	0.62	0.99	1.04	1.04
	Starting current (A)	0.91	0.91	1.39	1.38	1.38
Outdoor unit	Input (kW)	3.34	3.34	3.36	5.25	6.36
	Current (A)	14.64	5.46	5.49	8.39	10.17
	Starting current (A)	93	41	45	79	84

4. STANDARD OPERATION DATA (1)

4.1. Heat pump type

Service Ref.	With electric heater			PLH-P1.6KAH		PLH-P2KAH		PLH-P2.5KAH	
	Without electric heater			PLA-P1.6KA		PLA-P2KA		PLA-P2.5KA	
Mode				Cooling	Heating	Cooling	Heating	Cooling	Heating
Total	Capacity		W	4,400	5,000	5,400	6,250	6,300	7,400
	Input		kW	1.86	1.93	2.62	2.67	2.77	2.64
Electrical circuit	**Indoor unit Service Ref.**	**With electric heater**		**PLH-P1.6KAH**		**PLH-P2KAH**		**PLH-P2.5KAH**	
		Without electric heater		**PLA-P1.6KA**		**PLA-P2KA**		**PLA-P2.5KA**	
	Phase,Hz			1,50		1,50		1,50	
	Volts		V	240		240		240	
	Amperes		A	0.64	0.45	0.65	0.45	0.61	0.45
	Outdoor unit Service Ref.			**PUH-P1.6VGA/YGA**		**PUH-P2VGA/YGA**		**PUH-P2.5VGA/YGA**	
	Phase,Hz			1/3 , 50		1/3 , 50		1/3 , 50	
	Volts		V	240/415		240/415		240/415	
	Amperes		A	7.66/2.67	8.19/2.86	11.11/3.88	11.51/4.02	11.78/4.11	11.55/4.03
Refrigerant circuit	Discharge pressure		MPa (kgf/cm²)	2.13 (21.7)	2.49 (25.4)	2.41 (24.6)	2.57 (26.2)	2.08 (21.2)	2.23 (22.7)
	Suction pressure		MPa (kgf/cm²)	0.50 (5.1)	0.44 (4.5)	0.50 (5.1)	0.44 (4.5)	0.50 (5.1)	0.42 (4.3)
	Discharge temperature		°C	87.1	84.5	87.8	93.2	77.5	83.4
	Condensing temperature		°C	48.3	47	53.4	53	48.5	50
	Suction temperature		°C	12	2	4.5	0.8	6.3	0.8
	Ref. pipe length		m	5	5	5	5	5	5
Indoor side	Intake air temperature	D.B.	°C	27	20	27	20	27	20
		W.B.	°C	19	15	19	15	19	15
	Discharge air temperature	D.B.	°C	16.3	36.5	14.8	41.0	13.5	43.7
Outdoor side	Intake air temperature	D.B.	°C	35	7	35	7	35	7
		W.B.	°C	24	6	24	6	24	6
SHF				0.80	—	0.74	—	0.75	—
BF				0.26	—	0.22	—	0.12	—

The unit of pressure has been changed to Mpa based on international SI system.
The conversion factor is : 1(Mpa)=10.2(kgf/㎠)

5. OUTLET AIR SPEED AND COVERAGE RANGE (1)

			PLH-P1.6KAH PLA-P1.6KA	PLH-P2KAH PLA-P2KA	PLH-P2.5KAH PLA-P2.5KA
Standard	Air flow	m³/min	16.0	16.0	17.0
	Air speed	m/sec.	5.6	5.6	5.9
	Coverage range	m	6.0	6.0	6.4
High ceiling	Air flow	m³/min	17.0	17.0	18.0
	Air speed	m/sec.	5.9	5.9	6.3
	Coverage range	m	6.4	6.4	6.8

※ The air coverage range is the value up to the position where the air speed is 0.25m/sec.
When air is blown out horizontally from the unit at the Hi notch position.
The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

4. STANDARD OPERATION DATA (2)

Service Ref.	With electric heater		PLH-P3KAH		PLH-P4KAH		PLH-P5KAH		PLH-P6KAH	
	Without electric heater		PLA-P3KA		PLA-P4KA		PLA-P5KA		PLA-P6KA	
Mode			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Total	Capacity	W	7,700	9,200	9,700	10,600	12,800	15,500	14,300	16,800
	Input	kW	3.26	3.65	3.65	3.68	5.47	5.69	6.58	6.65
Electrical circuit	**Indoor unit Service Ref.** / With electric heater		PLH-P3KAH		PLH-P4KAH		PLH-P5KAH		PLH-P6KAH	
	Without electric heater		PLA-P3KA		PLA-P4KA		PLA-P5KA		PLA-P6KA	
	Phase,Hz		1,50		1,50		1,50		1,50	
	Volts	V	240		240		240		240	
	Amperes	A	0.62	0.62	0.99	0.99	1.04	1.04	1.04	1.04
	Outdoor unit Service Ref.		PUH-P3VGA/YGA		PUH-P4YGA		PUH-P5YGA		PUH-P6YGA	
	Phase,Hz		1/3, 50		3, 50		3, 50		3, 50	
	Volts	V	240/415		415		415		415	
	Amperes	A	14.64/5.46	15.43/5.76	5.49	5.79	8.39	8.74	10.17	10.28
Refrigerant circuit	Discharge pressure	Mpa (kgf/cm²)	2.18 (22.2)	2.52 (25.7)	1.96 (20.0)	2.25 (22.9)	2.06 (21.0)	2.30 (23.5)	2.28 (23.3)	2.45 (25.0)
	Suction pressure	Mpa (kgf/cm²)	0.42 (4.3)	0.40 (4.1)	0.48 (4.9)	0.42 (4.3)	0.45 (4.6)	0.41 (4.2)	0.42 (4.3)	0.42 (4.3)
	Discharge temperature	°C	81.8	90.9	76.7	72.7	73.6	78.1	82.4	84.2
	Condensing temperature	°C	49.4	55.0	46.6	49.0	50.0	51.0	51.2	51.0
	Suction temperature	°C	1.8	-0.6	10	0.6	6.4	1.5	2.3	0
	Ref. pipe length	m	5	5	5	5	5	5	5	5
Indoor side	Intake air temperature D.B.	°C	27	20	27	20	27	20	27	20
	Intake air temperature W.B.	°C	19	15	19	15	19	15	19	15
	Discharge air temperature D.B.	°C	13.1	45.1	13.3	42.1	12.1	48.5	12.0	48.1
Outdoor side	Intake air temperature D.B.	°C	35	7	35	7	35	7	35	7
	Intake air temperature W.B.	°C	24	6	24	6	24	6	24	6
SHF			0.75	—	0.76	—	0.72	—	0.72	—
BF			0.10	—	0.10	—	0.08	—	0.08	—

5. OUTLET AIR SPEED AND COVERAGE RANGE (2)

			PLH-P3KAH PLA-P3KA	PLH-P4KAH PLA-P4KA	PLH-P5KAH PLA-P5KA	PLH-P6KAH PLA-P6KA
Standard	Air flow	m^3/min	20	26	30	33
	Air speed	m/sec.	6.0	6.3	4.6	5.1
	Coverage range	m	6.9	8.1	7.4	8.2
High ceiling	Air flow	m^3/min	22	28	32	36
	Air speed	m/sec.	6.6	6.8	4.9	5.5
	Coverage range	m	7.6	8.7	7.9	8.9

※ The air coverage range is the value up to the position where the air speed is 0.25m/sec.
When air is blown out horizontally from the unit at the Hi notch position.
The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

4. STANDARD OPERATION DATA (3)

4.2. Cooling only type

Service Ref.				PLA-P1.6KA	PLA-P2KA	PLA-P2.5KA
Mode				Cooling	Cooling	Cooling
Total	Capacity		W	4,400	5,400	6,300
	Input		kW	1.86	2.62	2.77
Electrical circuit	**Indoor unit Service Ref.**			**PLA-P1.6KA**	**PLA-P2KA**	**PLA-P2.5KA**
	Phase,Hz			1,50	1,50	1,50
	Volts		V	240	240	240
	Amperes		A	0.64	0.65	0.61
	Outdoor unit Service Ref.			**PU-P1.6VGA**	**PU-P2VGA**	**PU-P2.5VGA**
	Phase,Hz			1,50	1,50	1,50
	Volts		V	240	240	240
	Amperes		A	7.66	11.11	11.78
Refrigerant circuit	Discharge pressure		MPa (kgf/cm²)	2.13 (21.7)	2.41 (24.6)	2.08 (21.2)
	Suction pressure		MPa (kgf/cm²)	0.50 (5.1)	0.50 (5.1)	0.50 (5.1)
	Discharge temperature		°C	87.1	87.8	77.5
	Condensing temperature		°C	48.3	53.4	48.5
	Suction temperature		°C	12	4.5	6.3
	Ref. pipe length		m	5	5	5
Indoor side	Intake air temperature	D.B.	°C	27	27	27
		W.B.	°C	19	19	19
	Discharge air temperature	D.B.	°C	16.3	14.8	13.5
Outdoor side	Intake air temperature	D.B.	°C	35	35	35
		W.B.	°C	24	24	24
SHF				0.80	0.74	0.75
BF				0.26	0.22	0.12

The unit of pressure has been changed to Mpa based on international SI system.
The conversion factor is : 1(Mpa)=10.2(kgf/cm²)

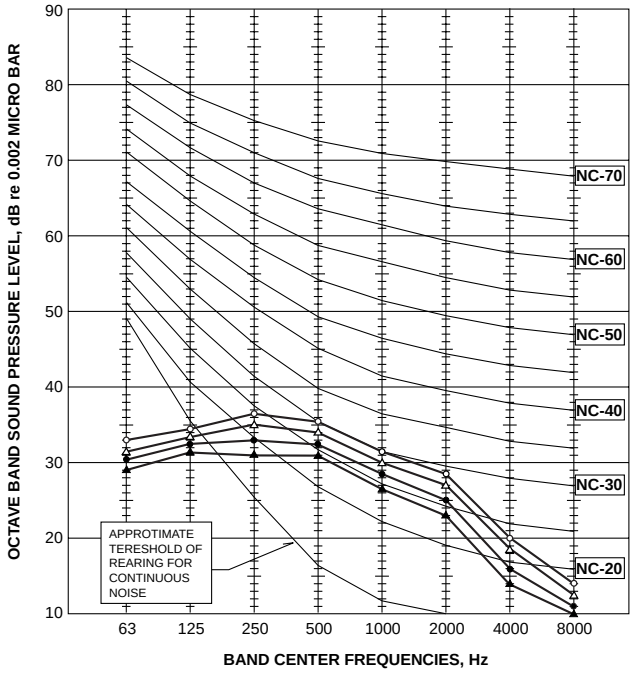
4. STANDARD OPERATION DATA (4)

Service Ref.				PLA-P3KA	PLA-P4KA	PLA-P5KA	PLA-P6KA
Mode				Cooling	Cooling	Cooling	Cooling
Total	Capacity		W	7,700	9,700	12,800	14,300
	Input		kW	3.26	3.65	5.47	6.58
Electrical circuit	**Indoor unit Service Ref.**			**PLA-P3KA**	**PLA-P4KA**	**PLA-P5KA**	**PLA-P6KA**
	Phase,Hz			1,50	1,50	1,50	1,50
	Volts		V	240	240	240	240
	Amperes		A	0.62	0.99	1.04	1.04
	Outdoor unit Service Ref.			**PU-P3VGA/YGA**	**PU-P4YGA**	**PU-P5YGA**	**PU-P6YGA**
	Phase,Hz			1/3,50	3,50	3,50	3,50
	Volts		V	240/415	415	415	415
	Amperes		A	14.64/5.46	5.49	8.39	10.17
Refrigerant circuit	Discharge pressure		Mpa (kgf/cm²)	2.18 (22.2)	1.96 (20.0)	2.06 (21.0)	2.28 (23.3)
	Suction pressure		Mpa (kgf/cm²)	0.42 (4.3)	0.48 (4.9)	0.45 (4.6)	0.42 (4.3)
	Discharge temperature		°C	81.8	76.7	73.6	82.4
	Condensing temperature		°C	49.4	46.6	50.0	51.2
	Suction temperature		°C	1.8	10	6.4	2.3
	Ref. pipe length		m	5	5	5	5
Indoor side	Intake air temperature	D.B.	°C	27	27	27	27
		W.B.	°C	19	19	19	19
	Discharge air temperature	D.B.	°C	13.1	13.3	12.1	12.0
Outdoor side	Intake air temperature	D.B.	°C	35	35	35	35
		W.B.	°C	24	24	24	24
SHF				0.75	0.76	0.72	0.72
BF				0.10	0.10	0.08	0.08

6. NOISE CRITERION CURVES

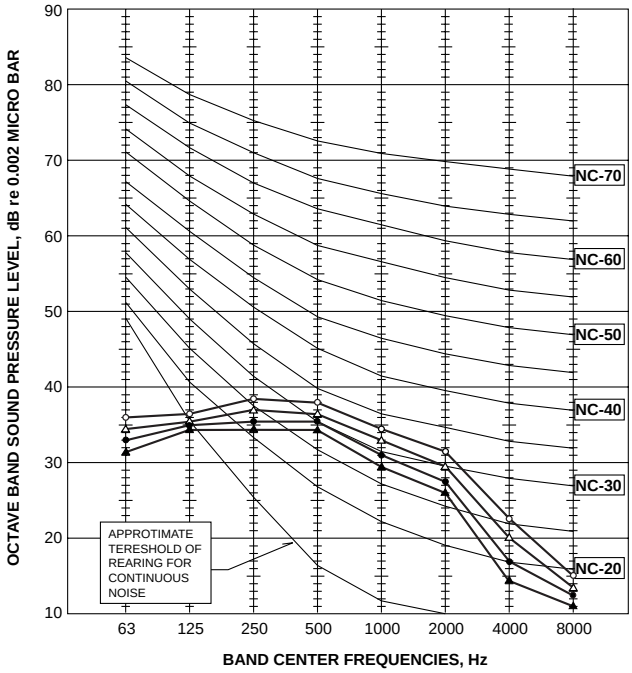
PLH-P1.6/2KAH
PLA-P1.6/2KA

NOTCH	SPL(dB)	LINE
Hi	37	
Mi2	35.5	
Mi1	34	
Lo	32	



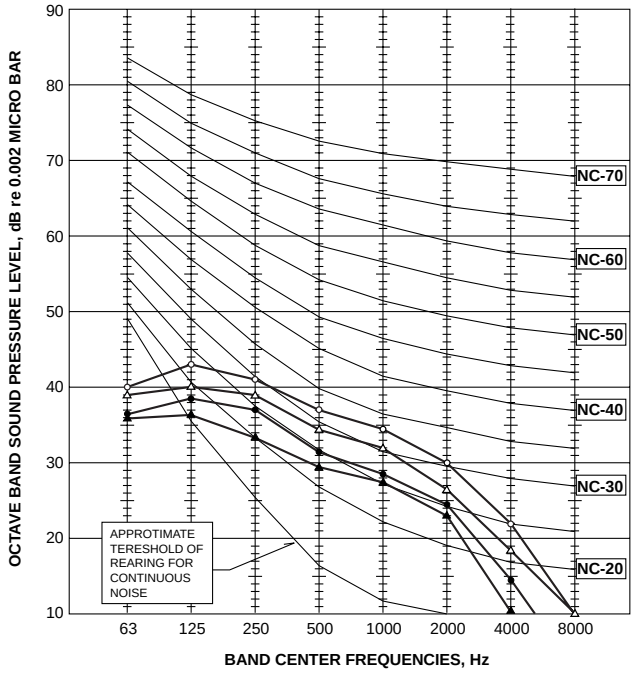
PLH-P2.5KAH
PLA-P2.5KA

NOTCH	SPL(dB)	LINE
Hi	39.5	
Mi2	38	
Mi1	36.5	
Lo	35	



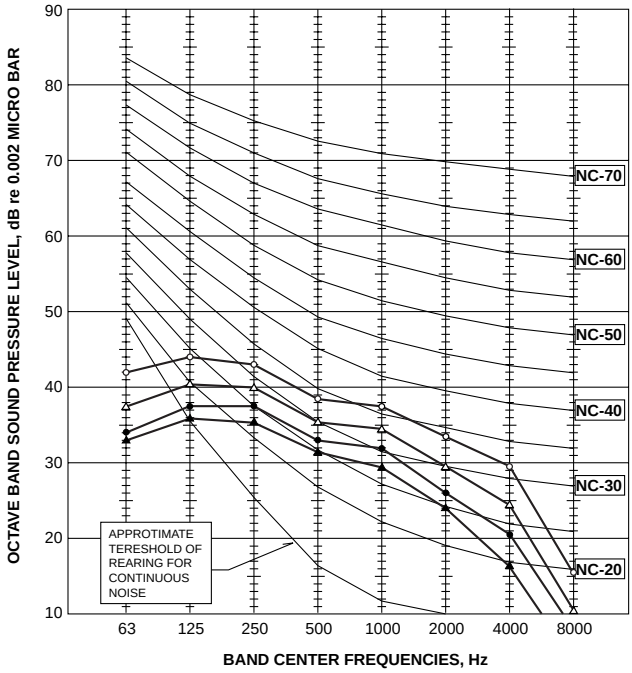
PLH-P3KAH
PLA-P3KA

NOTCH	SPL(dB)	LINE
Hi	39	
Mi2	37	
Mi1	34	
Lo	32	



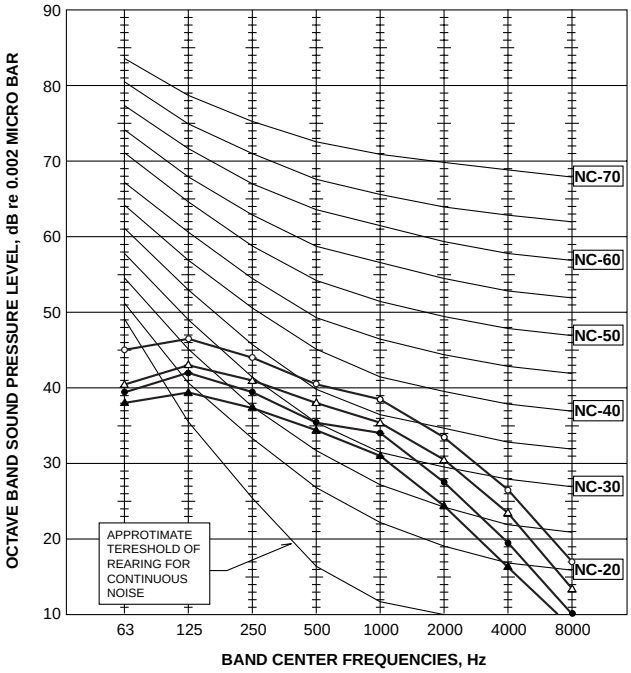
PLH-P4KAH
PLA-P4KA

NOTCH	SPL(dB)	LINE
Hi	42	
Mi2	39	
Mi1	36	
Lo	34	



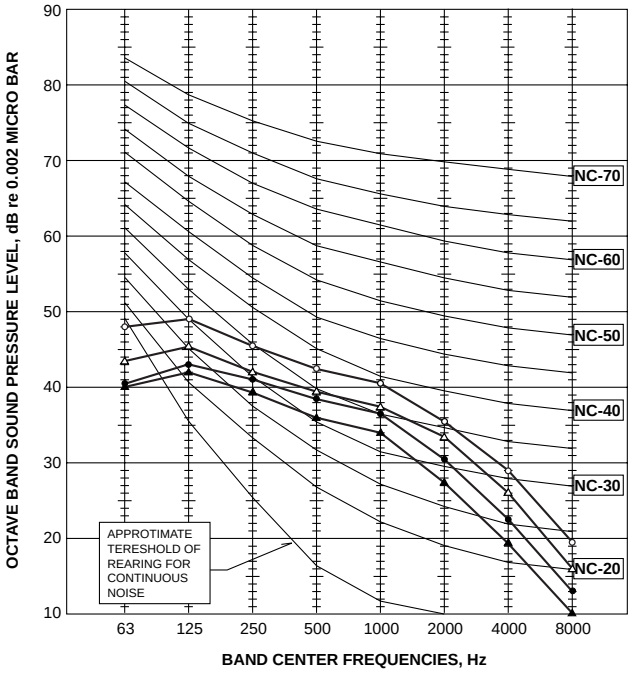
PLH-P5KAH
PLA-P5KA

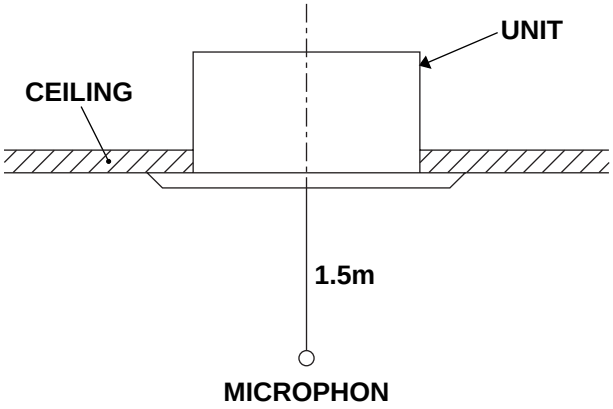
NOTCH	SPL(dB)	LINE
Hi	43	○——○
Mi2	40	△——△
Mi1	38	●——●
Lo	36	▲——▲



PLH-P6KAH
PLA-P6KA

NOTCH	SPL(dB)	LINE
Hi	45	○——○
Mi2	42	△——△
Mi1	40	●——●
Lo	38	▲——▲





Ambient temperature 27℃

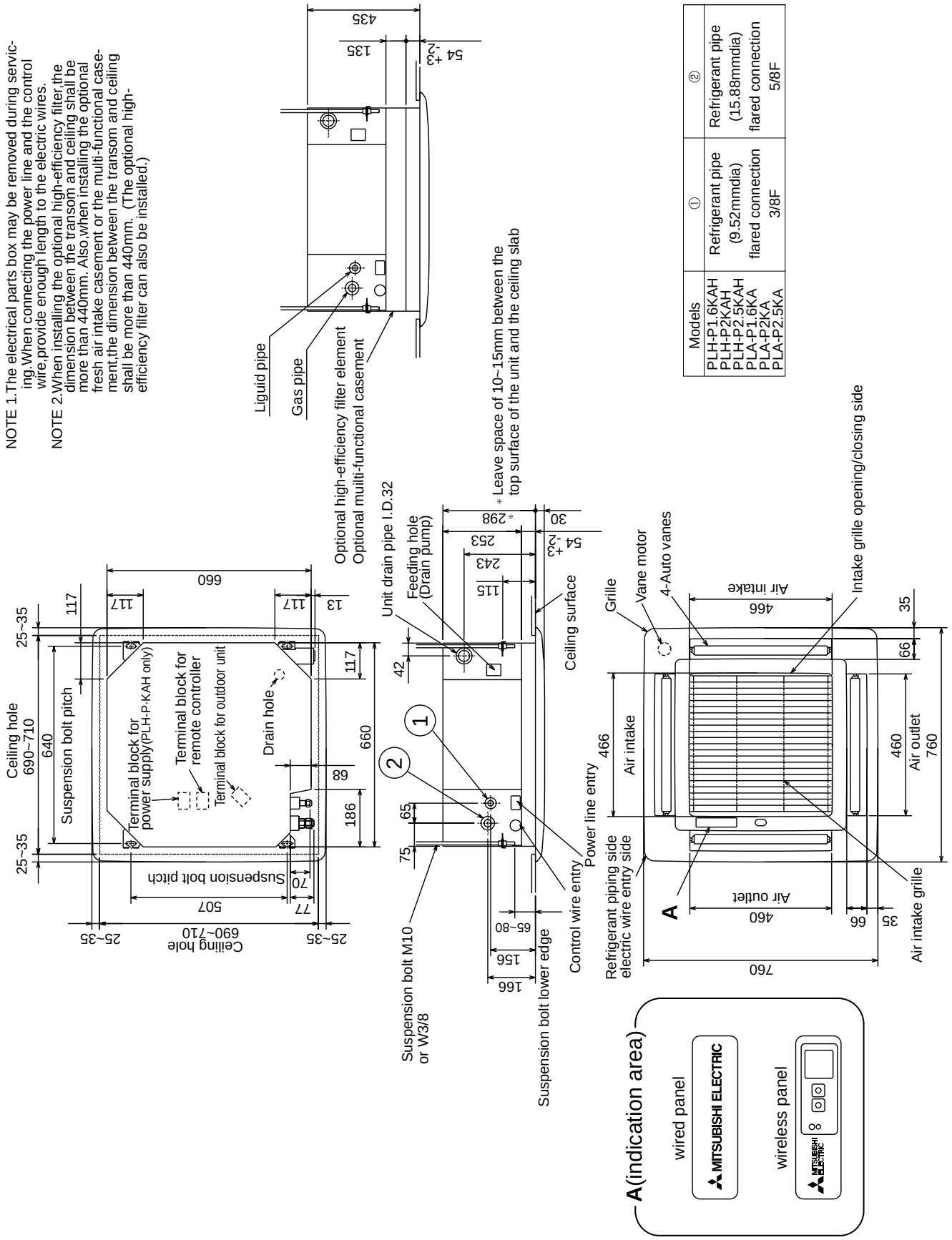
Test conditions are based on JIS Z8731

6 OUTLINES AND DIMENSIONS

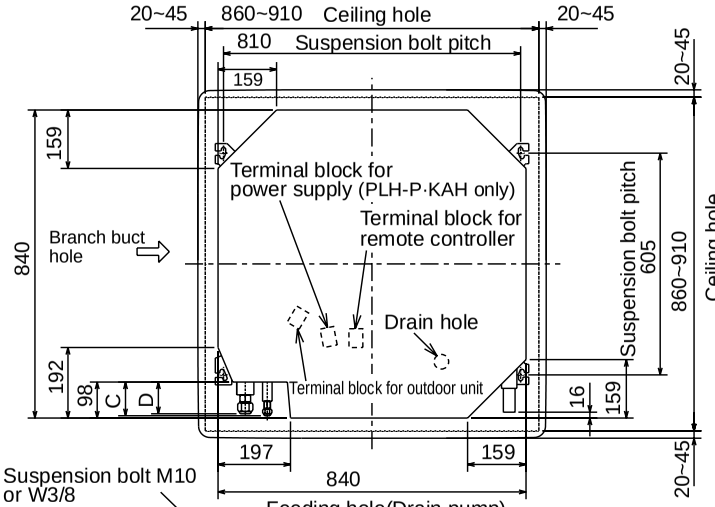
1. INDOOR UNIT

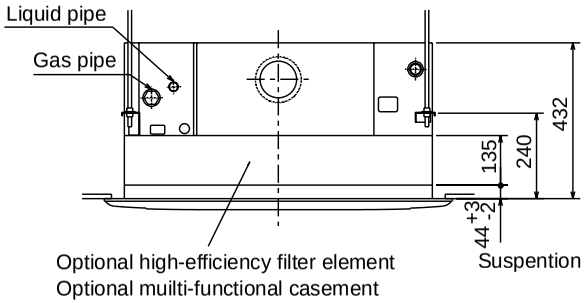
Unit : mm

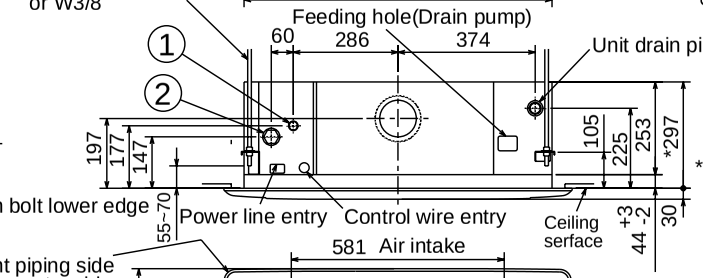
PLH-P1.6KAH / PLH-P2KAH / PLH-P2.5KAH
PLA-P1.6KA / PLA-P2KA / PLA-P2.5KA

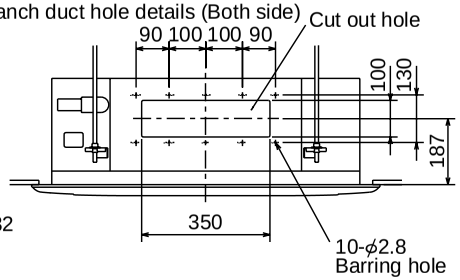

NOTE 1.The electrical parts box may be removed during servicing.When connecting the power line and the control wire,provide enough length to the electric wires.
NOTE 2.When installing the optional high-efficiency filter,the dimension between the transom and ceiling shall be more than 440mm. Also,when installing the optional fresh air intake casement or the multi-functional casement,the dimension between the transom and ceiling shall be more than 440mm. (The optional high-efficiency filter can also be installed.)
Models
PLH-P1.6KAH
PLH-P2KAH
PLH-P2.5KAH
PLA-P1.6KA
PLA-P2KA
PLA-P2.5KA
① Refrigerant pipe (9.52mmdia) flared connection 3/8F
② Refrigerant pipe (15.88mmdia) flared connection 5/8F
Liquid pipe
Gas pipe
Optional high-efficiency filter element
Optional muilti-functional casement
Leave space of 10~15mm between the top surface of the unit and the ceiling slab
Unit drain pipe I.D.32
Feeding hole (Drain pump)
Ceiling surface
Grille
Vane motor
4-Auto vanes
Intake grille opening/closing side
Air intake
Air outlet
Power line entry
Control wire entry
Refrigerant piping side
electric wire entry side
Suspension bolt M10 or W3/8
Suspension bolt lower edge
Air intake grille
Ceiling hole 690~710
Suspension bolt pitch
Terminal block for power supply(PLH-P,KAH only)
Terminal block for remote controller
Terminal block for outdoor unit
Drain hole
A(indication area)
wired panel
wireless panel
MITSUBISHI ELECTRIC

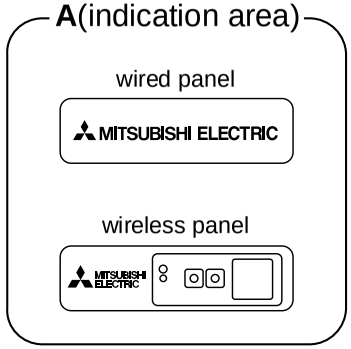
NOTE 1.For drainage piping use I.D.32 PVC piping.
NOTE 2.For suspention bolts use M10 or W3/8 screws.
NOTE 3.The electrical parts box may be removed during servicing. When connecting the power line and the control wire,provide enough length to the electric wires.
NOTE 4.When installing the optional high-efficiency filter,the dimention between the transom and ceiling shall be more than 440mm. Also,when installing the optional fresh air intake casement or the multi-functional casement,the dimension between the transom and ceiling shall be more than 440mm. (The optional high-efficiency filter can also be installed.)

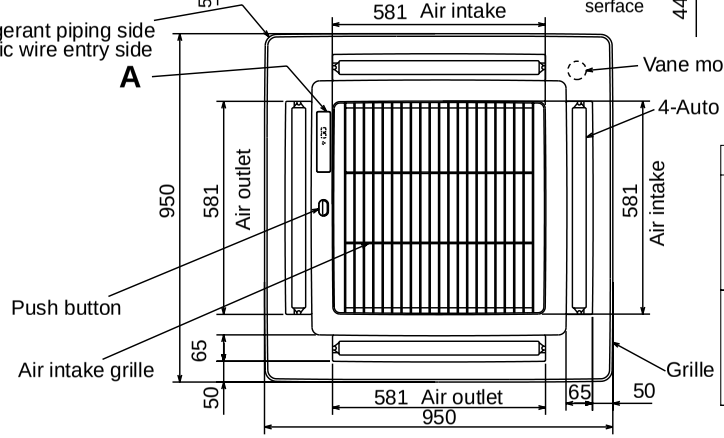










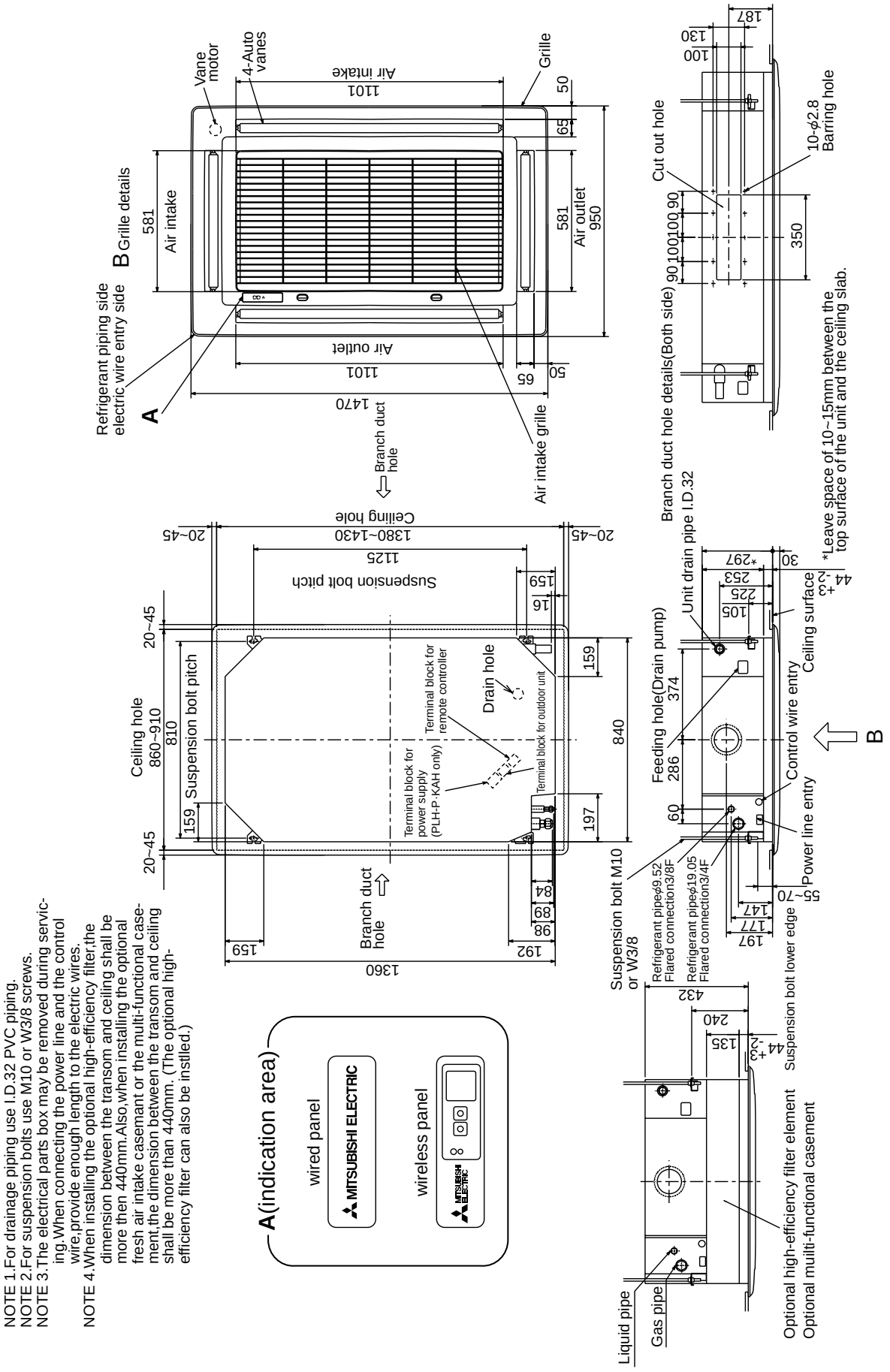


Models	①	②	C	D
PLH-P3KAH PLA-P3KA	Refrigerant pipe (9.52mmdia) flared connection 3/8F	Refrigerant pipe (15.88mmdia) flared connection 5/8F	89	79
PLH-P4KAH PLA-P4KA	Refrigerant pipe (9.52mmdia) flared connection 3/8F	Refrigerant pipe (19.05mmdia) flared connection 3/4F	89	84

Unit : mm

Unit : mm

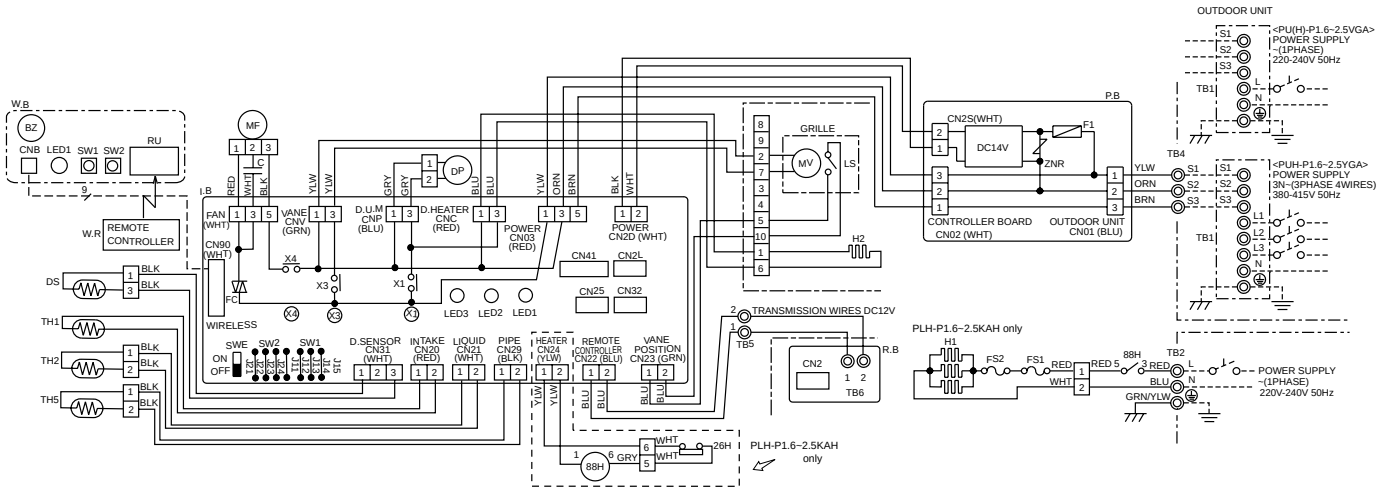
PLH-P5KAH / PLH-P6KAH
PLA-P5KA / PLA-P6KA



NOTE 1.For drainage piping use I.D.32 PVC piping.
NOTE 2.For suspension bolts use M10 or W3/8 screws.
NOTE 3.The electrical parts box may be removed during servicing.When connecting the power line and the control wire,provide enough length to the electric wires.
NOTE 4.When installing the optional high-efficiency filter,the dimension between the transom and ceiling shall be more then 440mm.Also,when installing the optional fresh air intake casemant or the multi-functional casement,the dimension between the transom and ceiling shall be more than 440mm. (The optional high-efficiency filter can also be instlled.)

7 WIRING DIAGRAM

PLH-P1.6KAH / PLA-P1.6KA
PLH-P2KAH / PLA-P2KA
PLH-P2.5KAH / PLA-P2.5KA



SW1		
MODELS	Manufacture	Service board
PLH-1.6~2.5KAH	J11 J12 J13 J14 J15	1 2 3 4 5 ON OFF
PLA-1.6~2.5KA	J11 J12 J13 J14 J15	1 2 3 4 5 ON OFF

SW2		
MODELS	Manufacture	service board
PLH-1.6KAH PLA-1.6KA	J21 J22 J23 J24	1 2 3 4 ON OFF
PLH-2KAH PLA-2KA	J21 J22 J23 J24	1 2 3 4 ON OFF
PLH-2.5KAH PLA-2.5KA	J21 J22 J23 J24	1 2 3 4 ON OFF

Please set the voltage using the remote controller. For the setting method,please refer to the indoor unit Installation Manual.

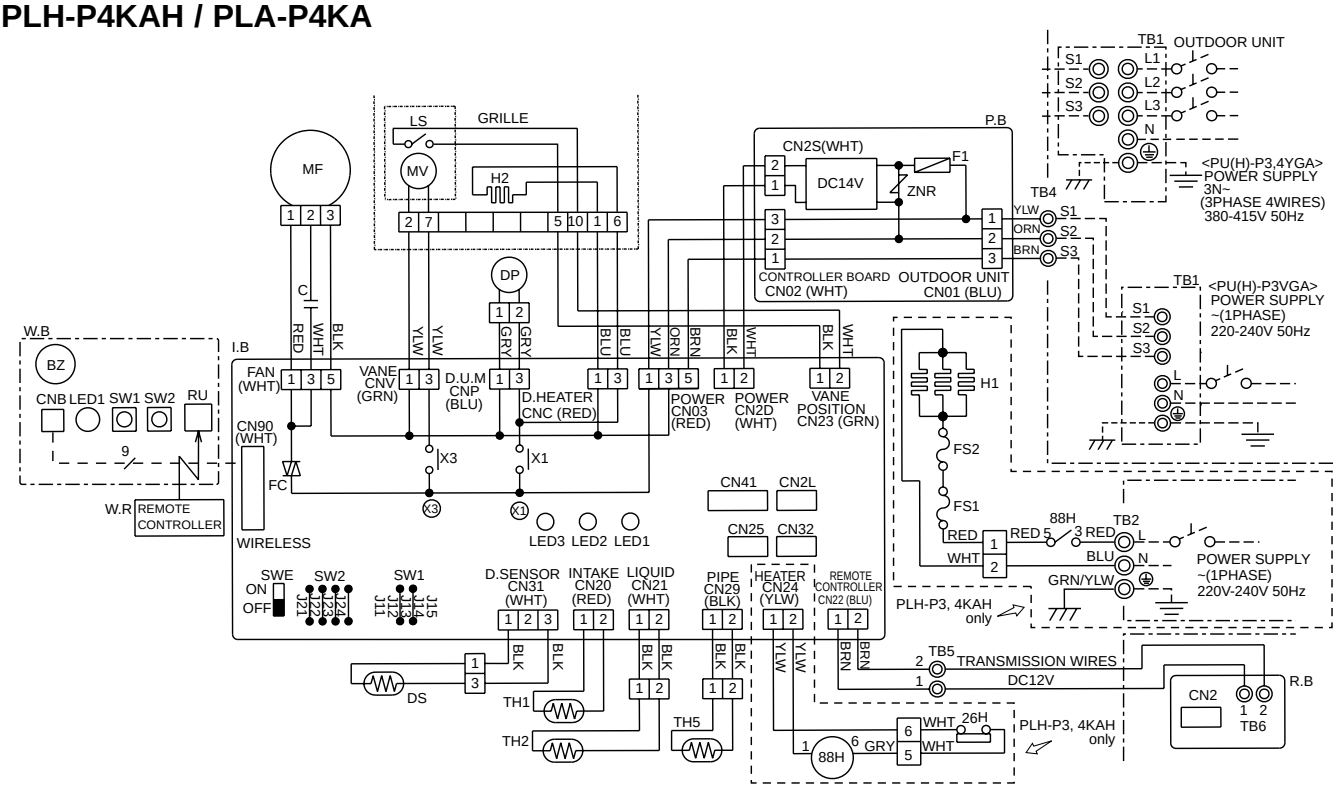
NOTES:

1.Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2.Indoor and outdoor connecting wires are made with polarities,make wiring matching terminal numbers(S1,S2,S3).
3.Make sure that the main power supply of the booster heater is independent.
4.Symbols used in wiring diagram above are, ☐☐☐ :Connector,◎:Terminal block.

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	I.B	INDOOR CONTROLLER BOARD	LS	LIMIT SWITCH
F1	FUSE (4A)	CN2L	CONNECTOR (LOSSNAY)	MF	FAN MOTOR
ZNR	VARISTOR	CN25	CONNECTOR (HUMIDIFIER)	MV	VANE MOTOR
R.B	REMOTE CONTROLLER BOARD	CN32	CONNECTOR (REMOTE SWITCH)	TB2	TERMINAL BLOCK (HEATER)
CN2	CONNECTOR (SCHEDULE TIMER)	CN41	CONNECTOR (HA TERMINAL-A)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRAMSMISSION LINE)	FC	FAN PHASE CONTROL	TB5	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
W.B	WIRELESS REMOTE CONTROLLER BOARD (OPTION)	LED1	POWER SUPPLY (I.B)	TH1	ROOM TEMPERATURE THERMISTOR (0℃/15KΩ, 25℃/5.4KΩ DETECT)
RU	RECEIVING UNIT	LED2	POWER SUPPLY (R.B)	TH2	PIPE TEMPERATURE THERMISTOR/LIQUID (0℃/15KΩ, 25℃/5.4KΩ DETECT)
BZ	BUZZER	LED3	TRANSMISSION (INDOOR-OUTDOOR)	TH5	CONDENSER/EVAPORATOR TEMPERATURE THERMISTOR (0℃/15KΩ, 25℃/5.4KΩ DETECT)
LED1	LED (RUN INDICATOR)	SW1	JUMPER WIRE (MODEL SELECTION)	HEATER	
SW1	SWITCH (HEATING ON/OFF)	SW2	JUMPER WIRE (CAPACITY CODE)	FS1,2	THERMAL FUSE (98℃, 10A),(77℃,10A)
SW2	SWITCH (COOLING ON/OFF)	SWE	SWITCH (EMERGENCY OPERATION)	H1	HEATER
W.R	WIRELESS REMOTE CONTROLLER (OPTION)	X1	RELAY (DRAIN PUMP/D.HEATER)	26H	HEATER THERMAL SWITCH
		X3	RELAY (VANE MOTOR)	88H	HEATER CONTACTOR
		X4	RELAY (FAN MOTOR)		
		C	CAPACITOR (FAN MOTOR)		
		DP	DRAIN-UP MACHINE		
		DS	DRAIN SENSOR		
		H2	DEW PREVENTION HEATER		

PLH-P3KAH / PLA-P3KA
PLH-P4KAH / PLA-P4KA



SW1		
MODELS	Manufacture	Service board
PLH-3, 4KAH	J11 J12 J13 J14 J15	1 2 3 4 5 ON OFF
PLA-3, 4KA	J11 J12 J13 J14 J15	1 2 3 4 5 ON OFF

SW2		
MODELS	Manufacture	service board
PLH-3KAH PLA-3KA	J21 J22 J23 J24	1 2 3 4 ON OFF
PLH-4KAH PLA-4KA	J21 J22 J23 J24	1 2 3 4 ON OFF

Please set the voltage using the remote controller. For the setting method,please refer to the indoor unit Installation Manual.

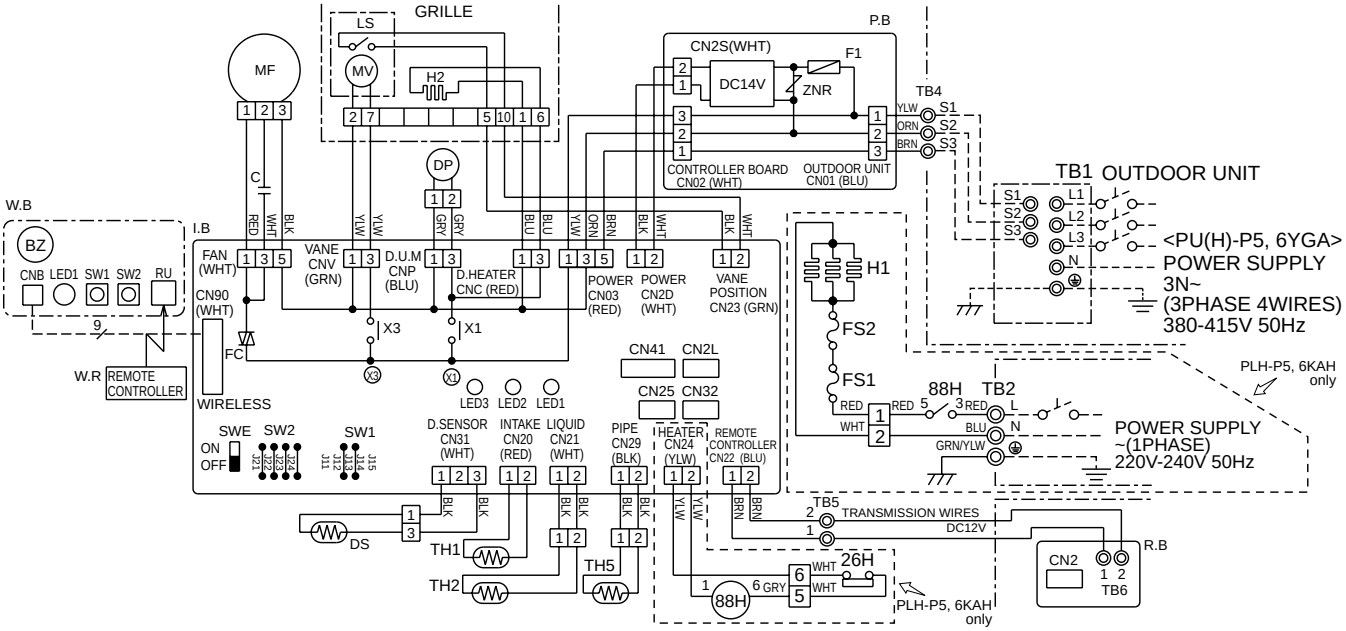
NOTES:

1.Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2.Indoor and outdoor connecting wires are made with polarities,make wiring matching terminal numbers(S1,S2,S3).
3.Make sure that the main power supply of the booster heater is independent.
4.Symbols used in wiring diagram above are, ☐☐☐ :Connector, ◎:Terminal (block).

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	I.B	INDOOR CONTROLLER BOARD	LS	LIMIT SWITCH
F1	FUSE (4A)	CN2L	CONNECTOR (LOSSNAY)	MF	FAN MOTOR
ZNR	VARISTOR	CN25	CONNECTOR (HUMIDIFIER)	MV	VANE MOTOR
R.B	REMOTE CONTROLLER BOARD	CN32	CONNECTOR (REMOTE SWITCH)	TB2	TERMINAL BLOCK (HEATER)
CN2	CONNECTOR (SCHEDULE TIMER)	CN41	CONNECTOR (HA TERMINAL-A)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRAMSMISSION LINE)	FC	FAN PHASE CONTROL	TB5	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
W.B	WIRELESS REMOTE CONTROLLER BOARD (OPTION)	LED1	POWER SUPPLY (I.B)	TH1	ROOM TEMPERATURE THERMISTOR (0℃/15KΩ, 25℃/5.4KΩ DETECT)
RU	RECEIVING UNIT	LED2	POWER SUPPLY (R.B)	TH2	PIPE TEMPERATURE THERMISTOR/LIQUID (0℃/15KΩ, 25℃/5.4KΩ DETECT)
BZ	BUZZER	LED3	TRANSMISSION (INDOOR-OUTDOOR)	TH5	CONDENSER/EVAPORATOR TEMPERATURE THERMISTOR (0℃/15KΩ, 25℃/5.4KΩ DETECT)
LED1	LED (RUN INDICATOR)	SW1	JUMPER WIRE (MODEL SELECTION)		
SW1	SWITCH (HEATING ON/OFF)	SW2	JUMPER WIRE (CAPACITY CODE)		
SW2	SWITCH (COOLING ON/OFF)	SWE	SWITCH (EMERGENCY OPERATION)		
W.R	WIRELESS REMOTE CONTROLLER (OPTION)	X1	RELAY (DRAIN PUMP/D.HEATER)	HEATER	
		X3	RELAY (VANE MOTOR)	FS1,2	THERMAL FUSE (77℃,15A)
		C	CAPACITOR (FAN MOTOR)	H1	HEATER
		DP	DRAIN-UP MACHINE	26H	HEATER THERMAL SWITCH
		DS	DRAIN SENSOR	88H	HEATER CONTACTOR
		H2	DEW PREVENTION HEATER		

PLH-P5KAH / PLA-P5KA
PLH-P6KAH / PLA-P6KA



SW1		
MODELS	Manufacture	Service board
PLH-5, 6KAH	J11 J12 J13 J14 J15	1 2 3 4 5 ON OFF
PLA-5, 6KA	J11 J12 J13 J14 J15	1 2 3 4 5 ON OFF

SW2		
MODELS	Manufacture	service board
PLH-5KAH PLA-5KA	J21 J22 J23 J24	1 2 3 4 ON OFF
PLH-6KAH PLA-6KA	J21 J22 J23 J24	1 2 3 4 ON OFF

Please set the voltage using the remote controller. For the setting method,please refer to the indoor unit Installation Manual.

NOTES:

1.Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2.Indoor and outdoor connecting wires are made with polarities,make wiring matching terminal numbers(S1,S2,S3).
3.Make sure that the main power supply of the booster heater is independent.
4.Symbols used in wiring diagram above are, □□□ :Connector, ◎:Terminal (block).

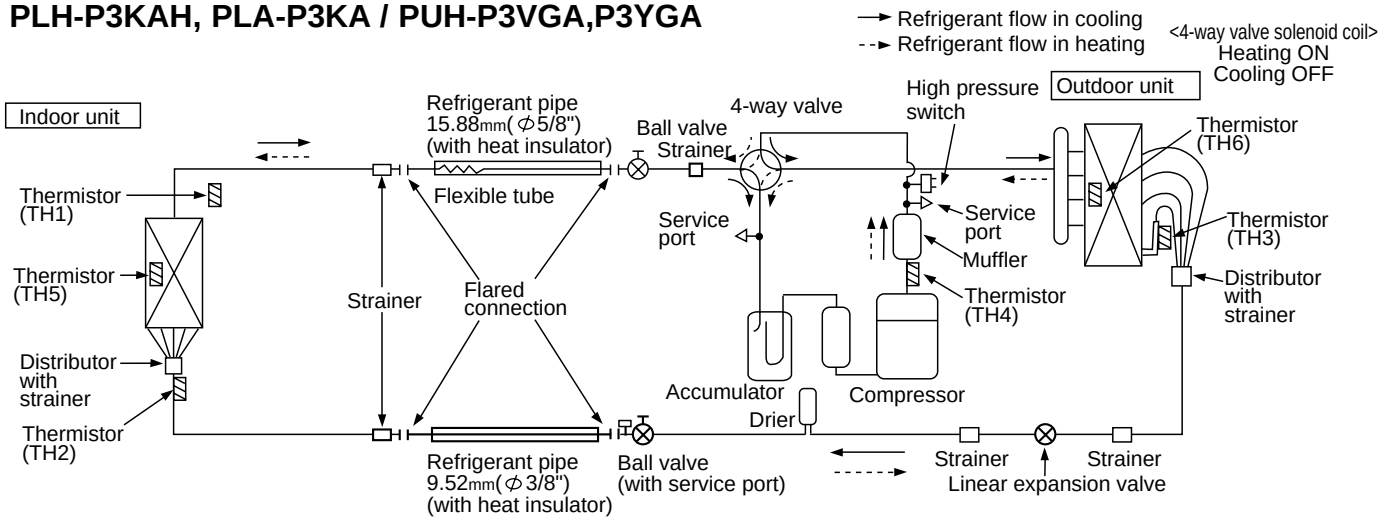
[LEGEND]

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	I.B	INDOOR CONTROLLER BOARD	LS	LIMIT SWITCH
F1	FUSE (4A)	CN2L	CONNECTOR (LOSSNAY)	MF	FAN MOTOR
ZNR	VARISTOR	CN25	CONNECTOR (HUMIDIFIER)	MV	VANE MOTOR
R.B	REMOTE CONTROLLER BOARD	CN32	CONNECTOR (REMOTE SWITCH)	TB2	TERMINAL BLOCK (HEATER)
CN2	CONNECTOR (SCHEDULE TIMER)	CN41	CONNECTOR (HA TERMINAL-A)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRAMSMISSION LINE)	FC	FAN PHASE CONTROL	TB5	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
W.B	WIRELESS REMOTE CONTROLLER BOARD (OPTION)	LED1	POWER SUPPLY (I.B)	TH1	ROOM TEMPERATURE THERMISTOR (0℃/15KΩ, 25℃/5.4KΩ DETECT)
RU	RECEIVING UNIT	LED2	POWER SUPPLY (R.B)	TH2	PIPE TEMPERATURE THERMISTOR/LIQUID (0℃/15KΩ, 25℃/5.4KΩ DETECT)
BZ	BUZZER	LED3	TRANSMISSION (INDOOR-OUTDOOR)	TH5	CONDENSER/EVAPORATOR TEMPERATURE THERMISTOR (0℃/15KΩ, 25℃/5.4KΩ DETECT)
LED1	LED (RUN INDICATOR)	SW1	JUMPER WIRE (MODEL SELECTION)		
SW1	SWITCH (HEATING ON/OFF)	SW2	JUMPER WIRE (CAPACITY CODE)		
SW2	SWITCH (COOLING ON/OFF)	SWE	SWITCH (EMERGENCY OPERATION)		
W.R	WIRELESS REMOTE CONTROLLER (OPTION)	X1	RELAY (DRAIN PUMP/D.HEATER)	HEATER	
		X3	RELAY (VANE MOTOR)	FS1,2	THERMAL FUSE (77℃,15A)
		C	CAPACITOR (FAN MOTOR)	H1	HEATER
		DP	DRAIN-UP MACHINE	26H	HEATER THERMAL SWITCH
		DS	DRAIN SENSOR	88H	HEATER CONTACTOR
		H2	DEW PREVENTION HEATER		

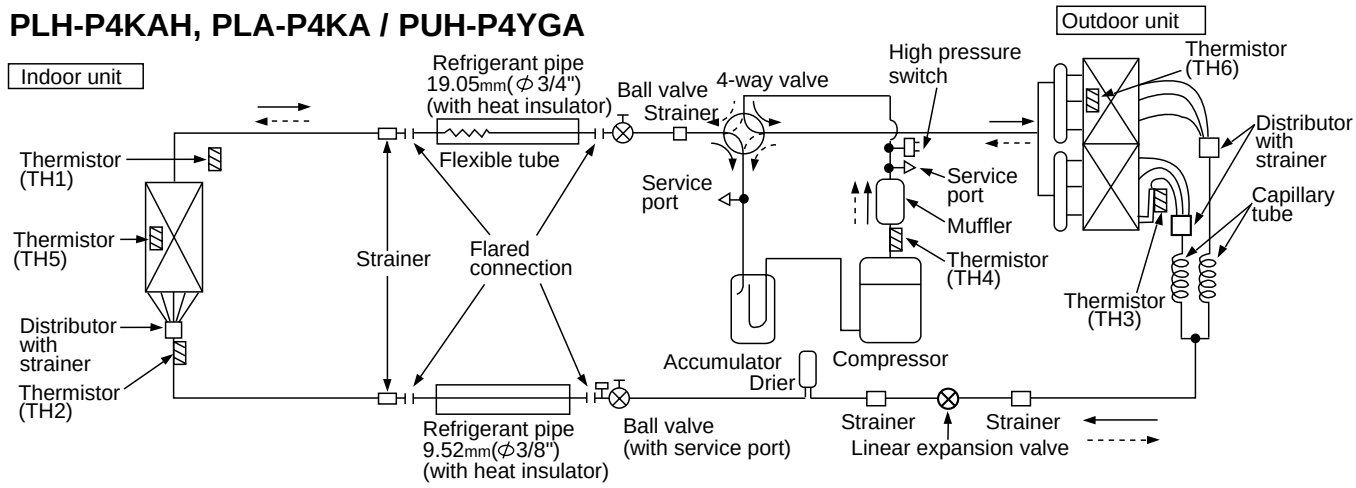
8 REFRIGERANT SYSTEM DIAGRAM

PLH-P1.6KAH, PLA-P1.6KA / PUH-P1.6VGA,P1.6YGA
PLH-P2KAH, PLA-P2KA / PUH-P2VGA,P2YGA
PLH-P2.5KAH, PLA-P2.5KA / PUH-P2.5VGA,P2.5YGA
PLH-P3KAH, PLA-P3KA / PUH-P3VGA,P3YGA

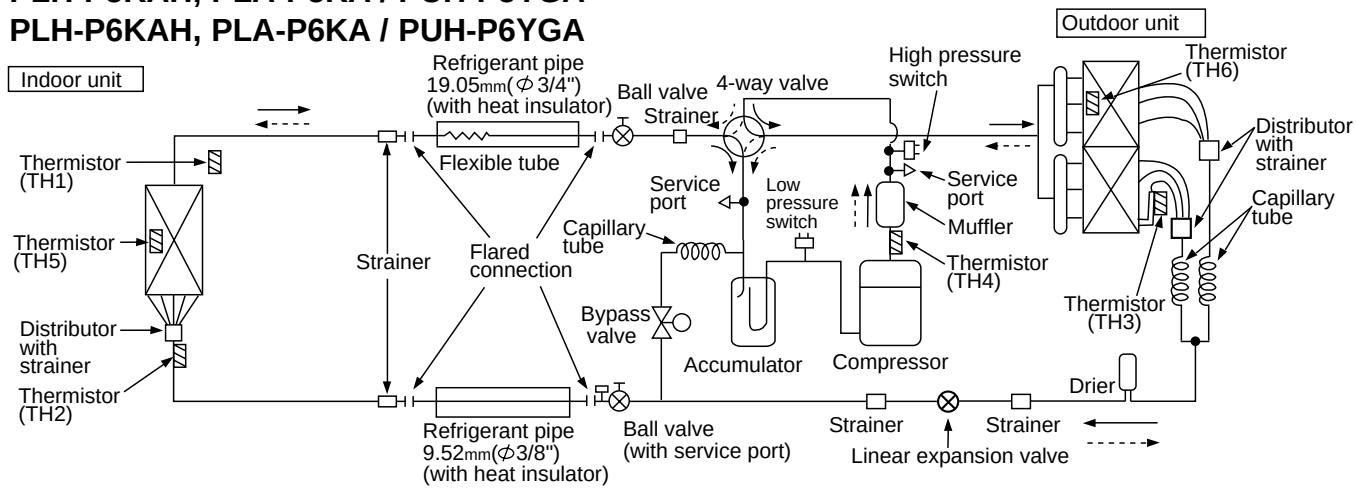
Unit : mm



PLH-P4KAH, PLA-P4KA / PUH-P4YGA

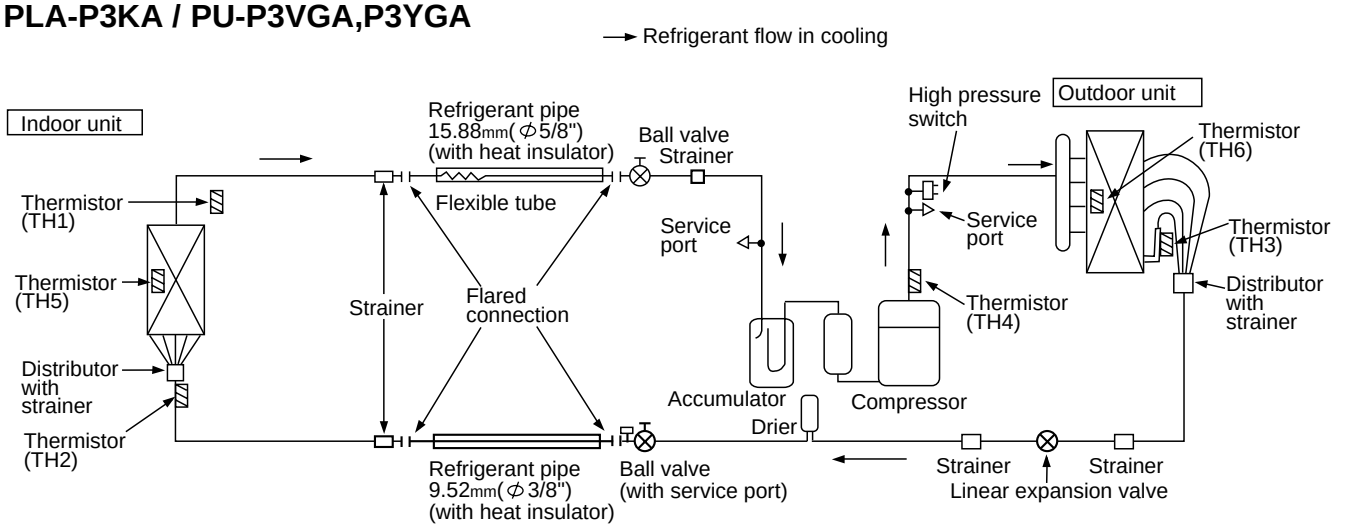


PLH-P5KAH, PLA-P5KA / PUH-P5YGA
PLH-P6KAH, PLA-P6KA / PUH-P6YGA

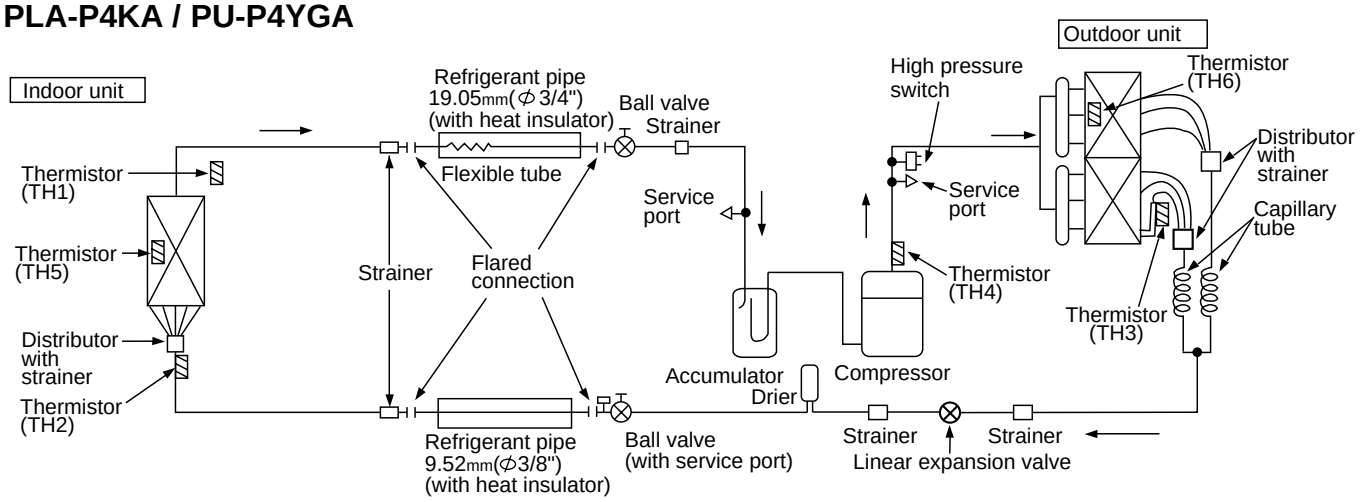


PLA-P1.6KA / PU-P1.6VGA
PLA-P2KA / PU-P2VGA
PLA-P2.5KA / PU-P2.5VGA
PLA-P3KA / PU-P3VGA,P3YGA

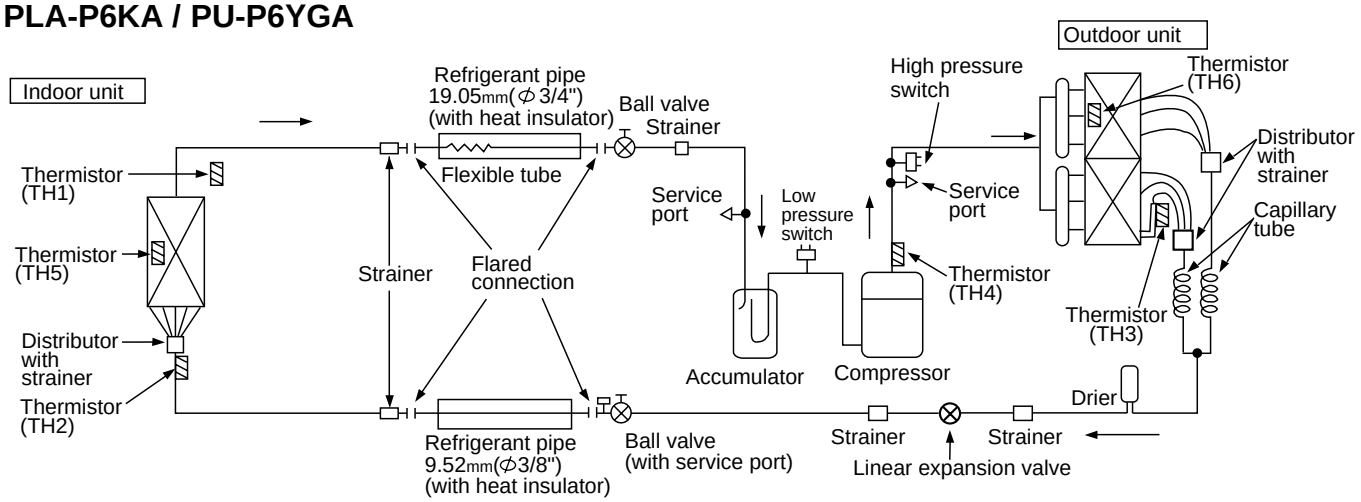
Unit : mm



PLA-P4KA / PU-P4YGA



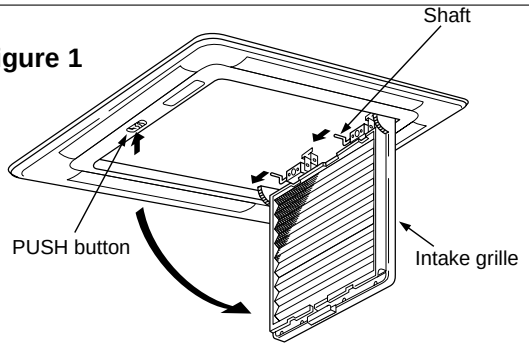
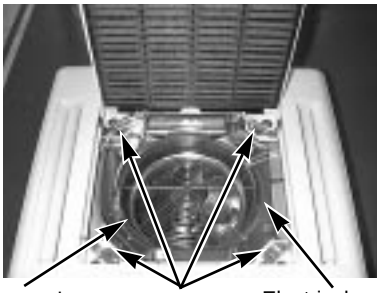
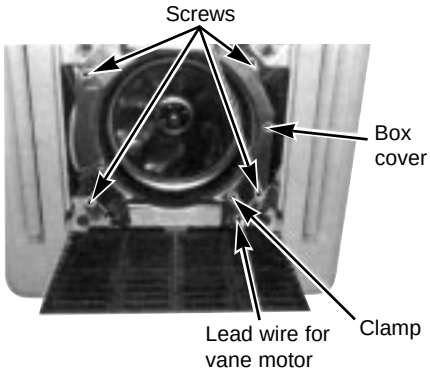
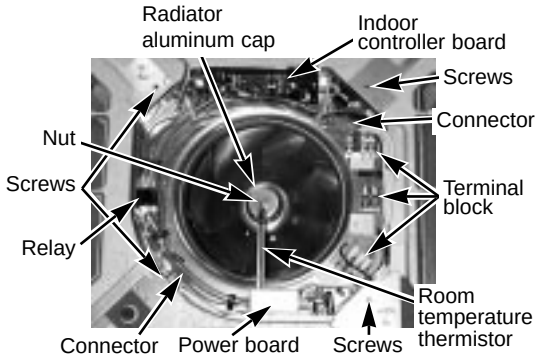
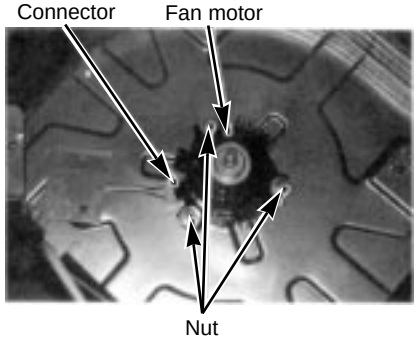
PLA-P5KA / PU-P5YGA
PLA-P6KA / PU-P6YGA

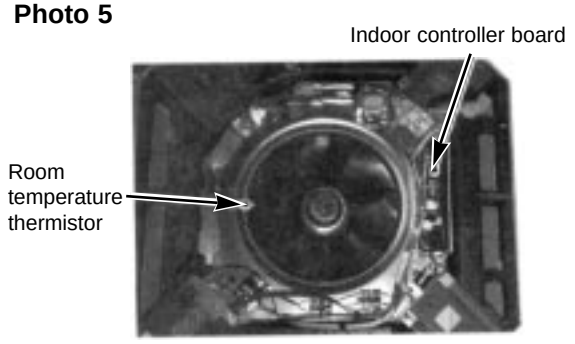
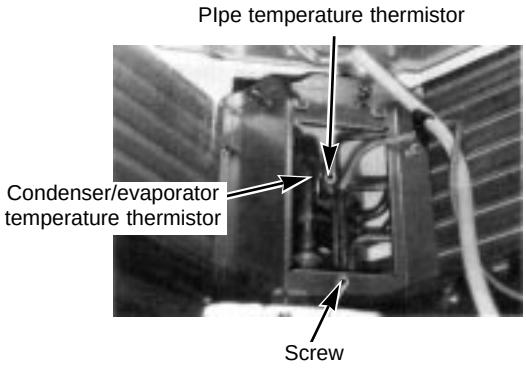
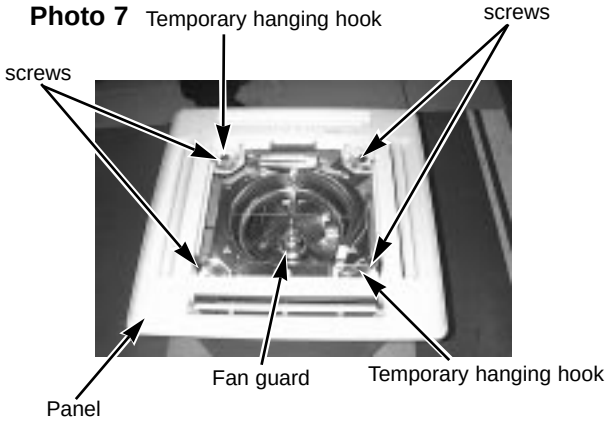
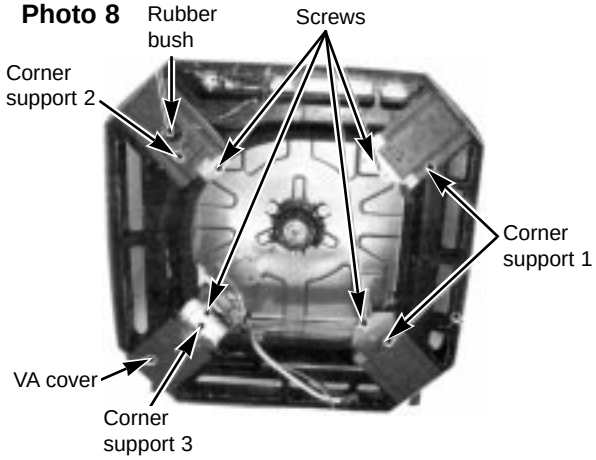


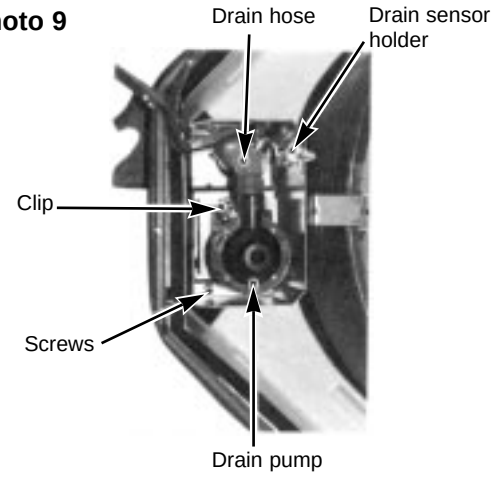
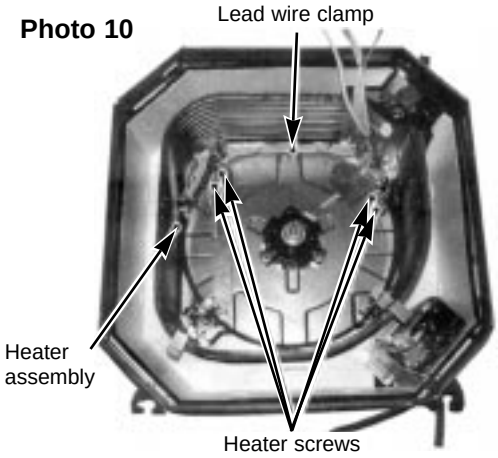
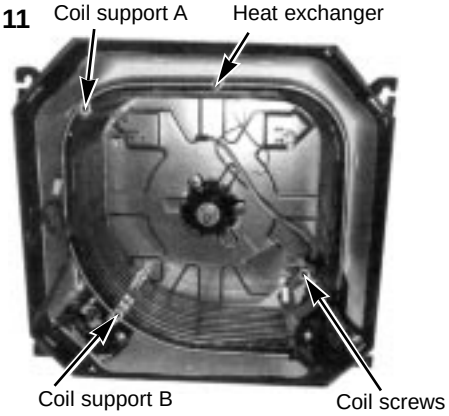
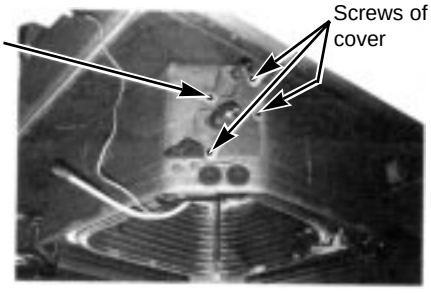
9 DISASSEMBLY PROCEDURE

1. INDOOR UNIT
PLH-1.6KAH

Be careful on removing heavy parts.

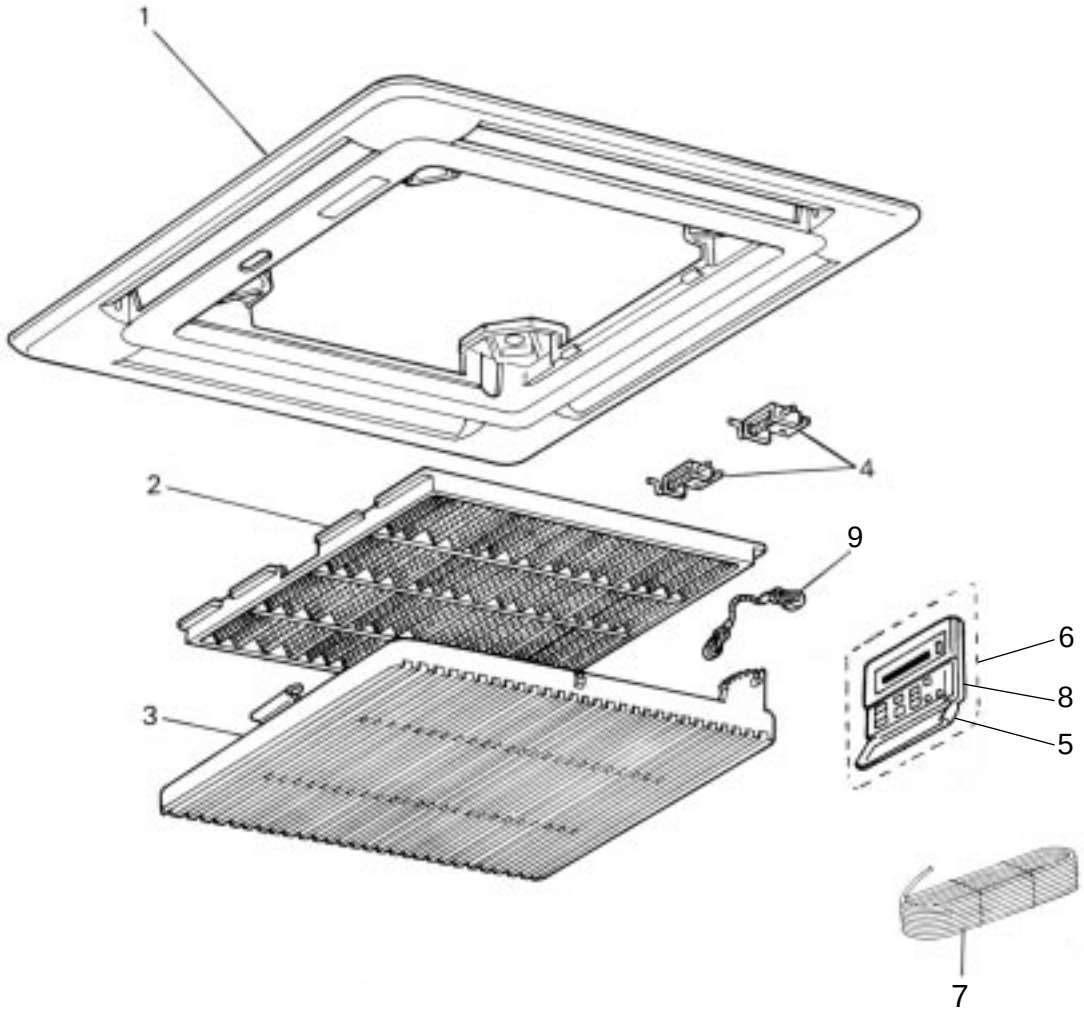
OPERATING PROCEDURE	PHOTOS&ILLUSTRATIONS
1. Removing the air intake grille (1) Press the PUSH button. (2) Open the intake grille 90°. (3) Remove the chip. (4) Slide the shaft in the hinge to the left and remove the intake grille.	**Figure 1** 
2. Removing the electrical parts box. (1) Open the intake grille. (2) Remove the 4 screws of the electrical parts caver.	**Photo 1** 
3. Removing the bell mouth (electrical parts) (1) Disconnect the lead wire of the vane motor from the clamp, and disconnect the red connector (8P). (2) Remove 2 of 4 screws from the electrical parts box. (3) Remove the electrical parts cover. (4) Disconnect the following connectors from the box. White (3P) for the fan motor White (2P) for the pipe temperature thermistor Blue (2P) for the drain pump White (3P) for the drain sensor (5) Disconnect the blue ground wire of the bell mouth. (6) Remove 3 of 4 screws from the bell mouth, and loosen the other screw. (7) Pull out the bell mouth. (Electrical parts inside the bell mouth) Terminal block power board Indoor fan capacitor Room temperature thermistor Indoor controller board Relay (PLH-P1.6/2/2.5/3/4/5/6KAH only)	**Photo 2**  **Photo 3** 
4. Removing the fan motor (1) Remove the turbo fan nut and radiator aluminum cap. (2) Pull out the turbo fan. (3) Disconnect the connector of the fan motor lead wire. (4) Remove the 3nuts of fan motor.	**Photo 4** 

OPERATING PROCEDURE	PHOTOS&ILLUSTRATIONS
5. Removing the room temperature thermistor (1) Remove the electrical parts box. (2) Remove the holder and the room temperature thermistor by pulling the catch. (3) Disconnect the red connector, CN20, on the indoor controller board.	**Photo 5** 
6. Removing the pipe temperature thermistor and the condenser / evaporator temperature thermistor. (1) Remove the electrical parts box. (2) Remove the bell mouth. (3) Remove the turbo fan. (4) Remove the screw of the service panel. (5) Remove the service panel. (6) Remove the pipe temperature thermistor and condenser / evaporator temperature thermistor from the holder. (7) Disconnect the 2-pin white connector.	**Photo 6** 
7. Removing the panel (1) Open the intake grille. (2) Disconnect the connector the vane motor. (3) Remove 4 screws of the panel. (4) Pulling the temporary handing hook, remove the panel.	**Photo 7** 
8. Removing the drain pan (1) Remove the panel. (2) Remove the rubber bushing. (3) Drain the remaining water in the drain pan. (4) Remove the electrical parts box. (5) Remove the bell mouth. (6) Remove the screw of the V.A. cover, and remove the V.A. cover. (7) Remove each screw of the corner supports 1,2, and 3, and remove the corner supports 1,2 and 3. (8) Pull out the drain pan. ※Pull the left and right of the pan gradually. Be careful not to crack or damage the pan.	**Photo 8** 

OPERATING PROCEDURE	PHOTOS&ILLUSTRATIONS
9. Removing the drain pump and drain sensor (1) Remove the panel. (2) Remove the electrical parts box. (3) Remove the bell mouth. (4) Remove the drain pan. (5) Remove 4 screws of the drain pump. (6) Pulling the clip of the drain hose, pull out the drain hose from the drain pump. (7) Remove the drain sensor and the holder. (8) Pull out the drain pump.	**Photo 9** 
10. Removing the heater (PLH-P1.6/2/2.5/3/4/5/6KAH only) (1) Remove the panel. (2) Remove the electrical parts box. (3) Remove the bell mouth. (4) Remove the drain pan. (5) Remove the turbo fan. (6) Remove the 5 screws of the heater assembly. (7) Remove the clamp (1 screw) securing the lead wire. (8) Pull the heater assembly out.	**Photo 10** 
11. Removing the heat exchanger (1) Remove the panel. (2) Remove the electrical parts box. (3) Remove the bell mouth. (4) Remove the drain pan. (5) Remove the turbo fan. (6) Remove the screw of the coil support A. (7) Remove 2 screws of the coil support B. (8) Remove 2 screws of the coil. (9) Remove 4 screws of the piping cover of the outer wall, and pull out the piping cover.	**Photo 11**  **Photo 12** 

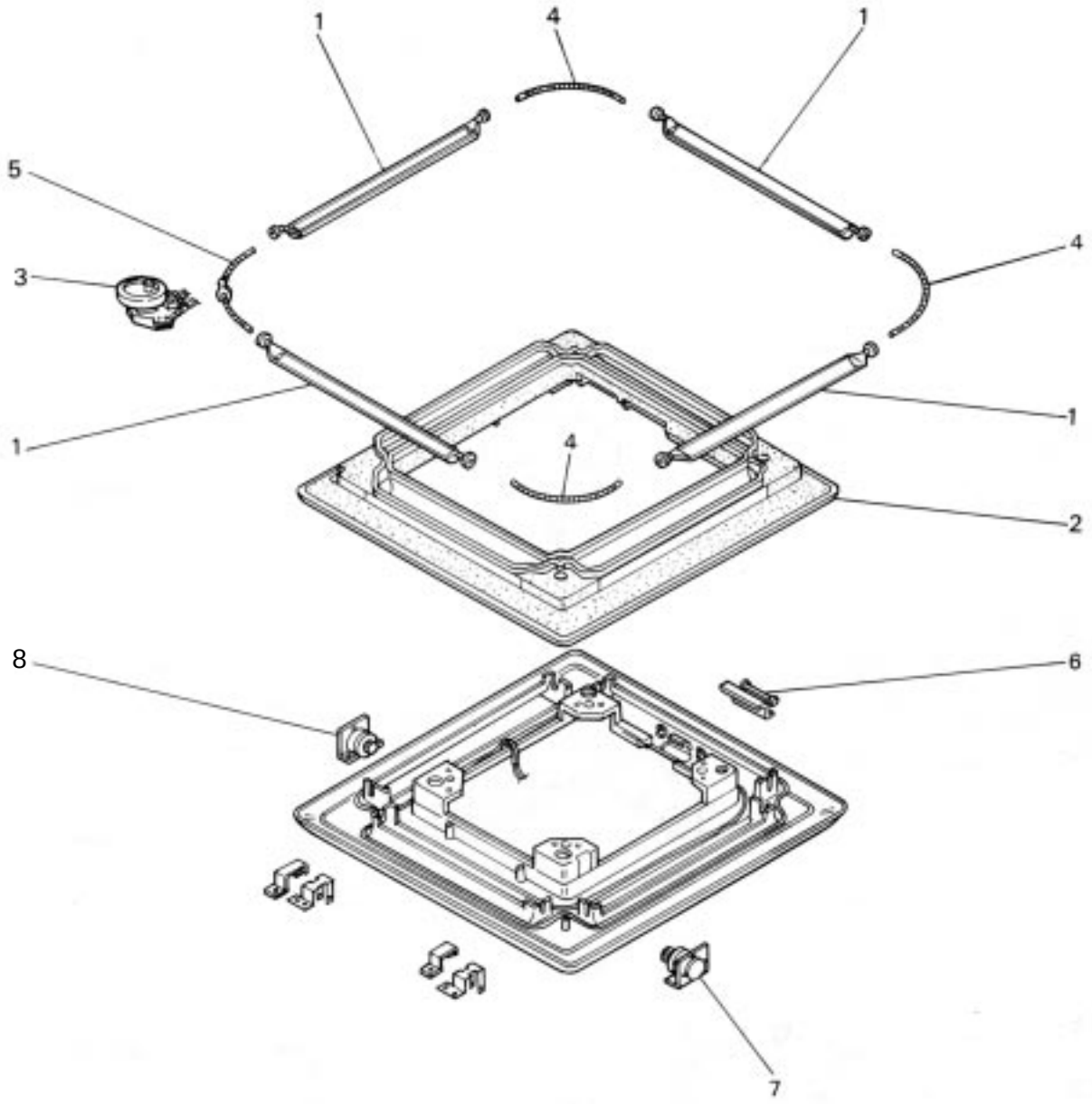
10 PARTS LIST

PANEL PARTS
PLH-P1.6KAH / PLA-P1.6KA
PLH-P2KAH / PLA-P2KA
PLH-P2.5KAH / PLA-P2.5KA



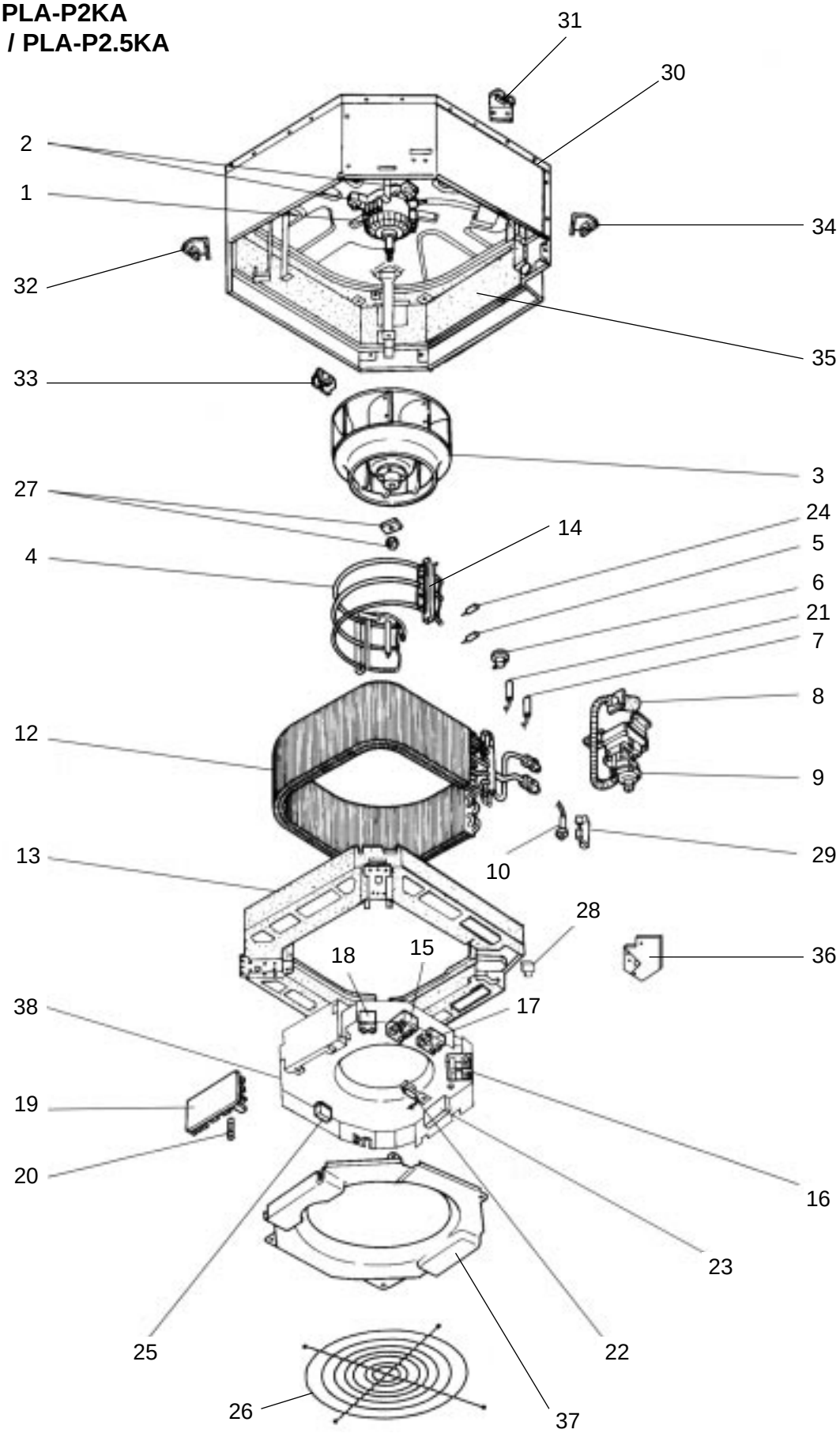
No.	Part No.	Part Name	Specification	Q'ty/set	Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				PLH-P1.6/2/2.5 PLA-P1.6/2/2.5 KAH / KA				Unit	Amount
1	T7W 560 003	AIR OUTLET GRILLE		1					
2	R01 29H 500	AIR FILTER		1					
3	R01 29H 691	INTAKE GRILLE		1					
4	R01 29H 061	HINGE		2					
5	T7W E02 049	REMOTE CONTROLLER COVER		1					
6	T7W E00 713	REMOTE CONTROLLER		1		R.B			
7	T7W A00 305	REMOTE CONTROLLER CABLE	10m	1					
8	T7W E00 071	UNDER CASE		1					
9	—	GRILLE HANGER		1	(BG88H096H01)				

PANEL PARTS
PLH-P1.6KAH / PLA-P1.6KA
PLH-P2KAH / PLA-P2KA
PLH-P2.5KAH / PLA-P2.5KA



No.	Part No.	Part Name	Specification	Q'ty/set	Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				PLH-P1.6/2/2.5 PLA-P1.6/2/2.5 KAH / KA				Unit	Amount
1	R01 29H 002	AUTO VANE		4					
2	R01 29H 085	AIR GUIDE		1					
3	T7W E02 223	VANE MOTOR		1		MV			
4	R01 29H 063	SPRING JOINT 1		1	<3/SET>				
5	T7W 33K 063	SPRING JOINT		1					
6	R01 29H 056	PUSH BUTTON		1					
7	R01 29H 040	GRILLE GEAR (RIGHT)		1					
8	R01 29H 041	GRILLE GEAR (LEFT)		1					

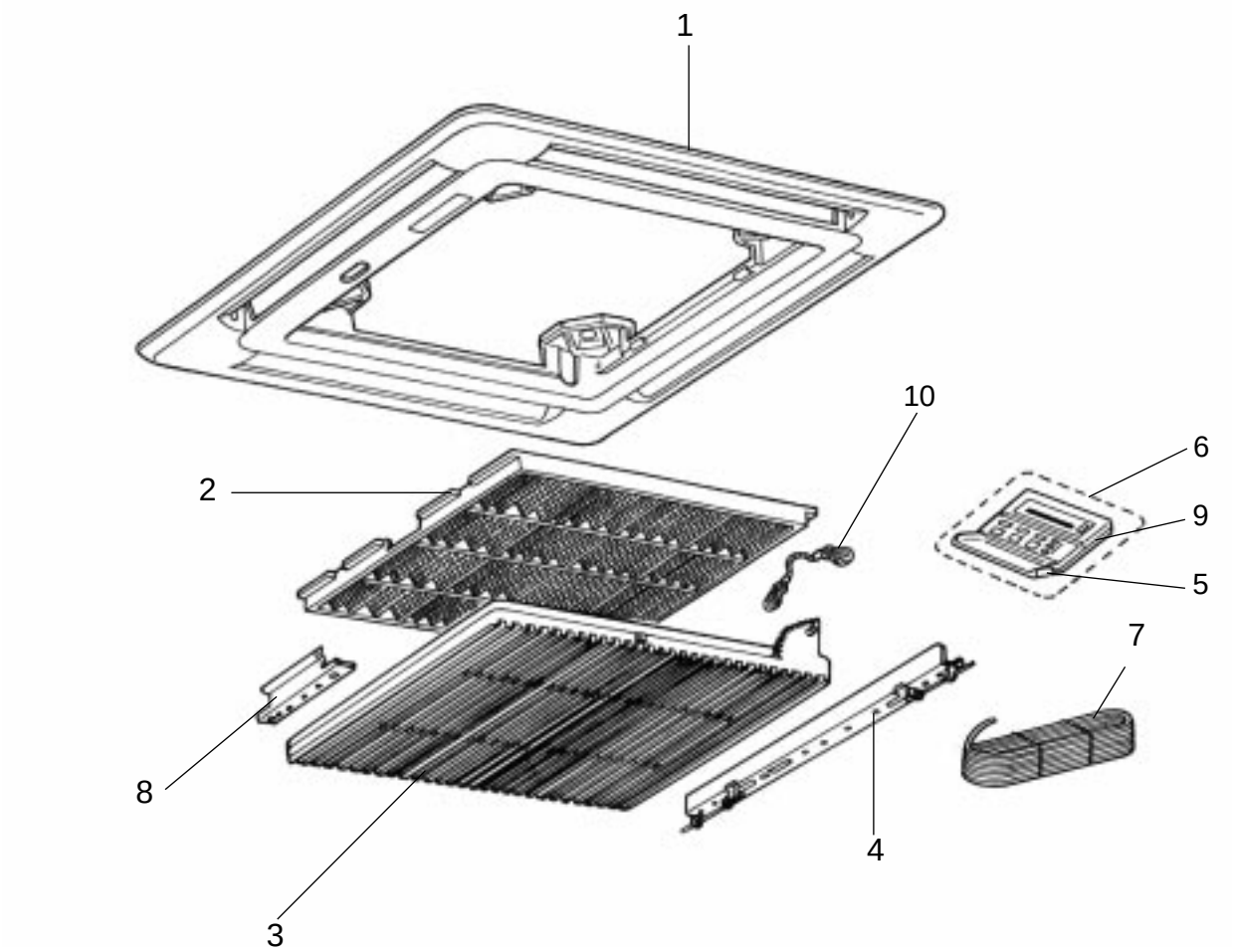
FUNCTIONAL PARTS
PLH-P1.6KAH / PLA-P1.6KA
PLH-P2KAH / PLA-P2KA
PLH-P2.5KAH / PLA-P2.5KA



Part numbers that are circled are not shown in the figure.

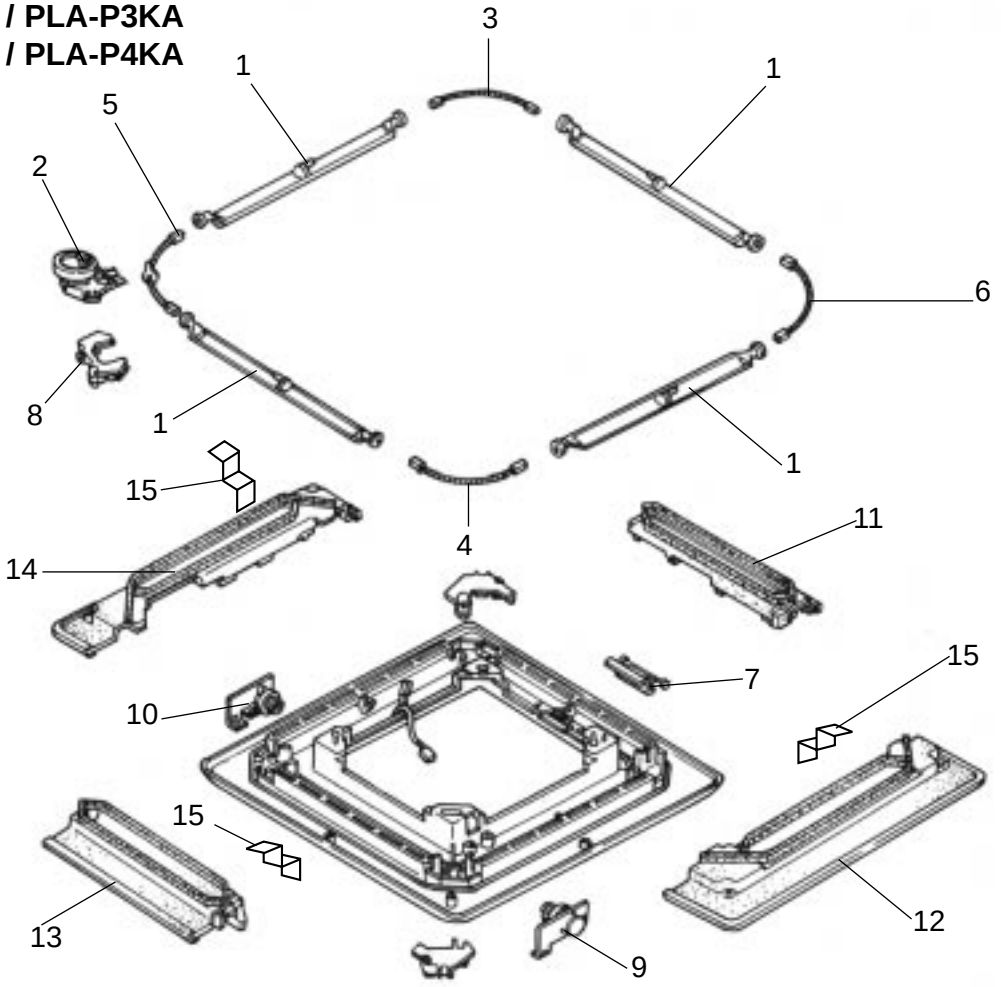
No.	Part No.	Part Name	Specification	Q'ty/set						Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				PLH-P·KAH			PLA-P·KA						Unit	Amount
				1.6	2	2.5	1.6	2	2.5					
1	T7W E00 762	FAN MOTOR	PAI-V30F-1	1	1	1	1	1	1		MF			
2	R01 29H 105	MOTOR MOUNT		3	3	3	3	3	3					
3	R01 41N 114	TURBO FAN		1	1	1	1	1	1					
4	T7W E00 300	HEATER ELEMENT	467W 240V	3	3						H1			
	T7W E01 300	HEATER ELEMENT	700W 240V			3					H1			
5	R01 32K 706	THERMAL FUSE	77°C 250V 10A	1	1	1					FS2			
6	R01 046 700	THERMAL SWITCH	OFF42°C ON32°C	1	1	1					26H			
7	R01 08K 202	PIPE TEMPERATURE THERMISTOR		1	1	1	1	1	1		TH2			
8	R01 41N 523	DRAIN SOCKET		1	1	1	1	1	1					
9	T7W E00 355	DRAIN PUMP		1	1	1	1	1	1		DP			
10	R01 31K 266	DRAIN SENSOR		1	1	1	1	1	1		DS			
⑪	R01 W28 527	DRAIN HOSE		1	1	1	1	1	1					
12	T7W E23 480	HEAT EXCHANGER		1	1		1	1						
	T7W E29 480	HEAT EXCHANGER				1			1					
13	T7W E00 529	DRAIN PAN		1	1	1								
	T7W E01 529	DRAIN PAN					1	1	1					
14	R01 20J 303	INSULATOR		1	1	1								
15	T7W A14 716	TERMINAL BLOCK	3P(L,N,⏚)	1	1	1					TB2			
16	T7W E01 716	TERMINAL BLOCK	3P(S1,S2,S3)	1	1	1	1	1	1		TB4			
17	T7W 515 716	TERMINAL BLOCK	2P(1,2)	1	1	1	1	1	1		TB5			
18	R01 29H 255	CAPACITOR	2.5μF 400V	1	1	1	1	1	1		C			
19	T7W E04 310	CONTROLLER BOARD		1	1	1	1	1	1		I.B			
20	T7W E00 239	FUSE	250V 4A	1	1	1	1	1	1		F1<P.B>			
21	T7W E09 202	CONDENSER / EVAPORATOR TEMPERATURE THERMISTOR		1	1	1	1	1	1		TH5			
22	T7W E10 202	ROOM TEMPERATURE THERMISTOR		1	1	1	1	1	1		TH1			
23	T7W E00 313	POWER BOARD		1	1	1	1	1	1		P.B			
24	R01 P02 706	THERMAL FUSE	98°C 250V 10A	1	1	1					FS1			
25	R01 71G 215	RELAY	JC-1a DC12V	1	1	1					88H			
26	T7W 29H 675	FAN GUARD		1	1	1	1	1	1					
27	R01 08K 097	SPL WASHER		1	1	1	1	1	1					
28	R01 A48 524	DRAIN PLUG		1	1	1	1	1	1					
29	R01 31K 241	SENSOR HOLDER		1	1	1	1	1	1					
30	—	BASE		1	1	1	1	1	1	(BG02Y348G07)				
31	—	LEG		1	1	1	1	1	1	(BG00T672G08)				
32	—	LEG		1	1	1	1	1	1	(BG00T672G09)				
33	—	LEG		1	1	1	1	1	1	(BG00T672G10)				
34	—	LEG		1	1	1	1	1	1	(BG00T673G02)				
35	—	INNER COVER					1	1	1	(BG00T718G11)				
	—	INNER COVER		1	1	1				(BG00T718G12)				
36	—	CORNER COVER		1	1	1	1	1	1	(BG00T713G05)				
37	—	BELL MOUTH		1	1	1	1	1	1	(BG00L601G25)				
38	—	ELECTRICAL PARTS BOX		1	1	1	1	1	1	(BG00V088G47)				

PANEL PARTS
PLH-P3KAH / PLA-P3KA
PLH-P4KAH / PLA-P4KA



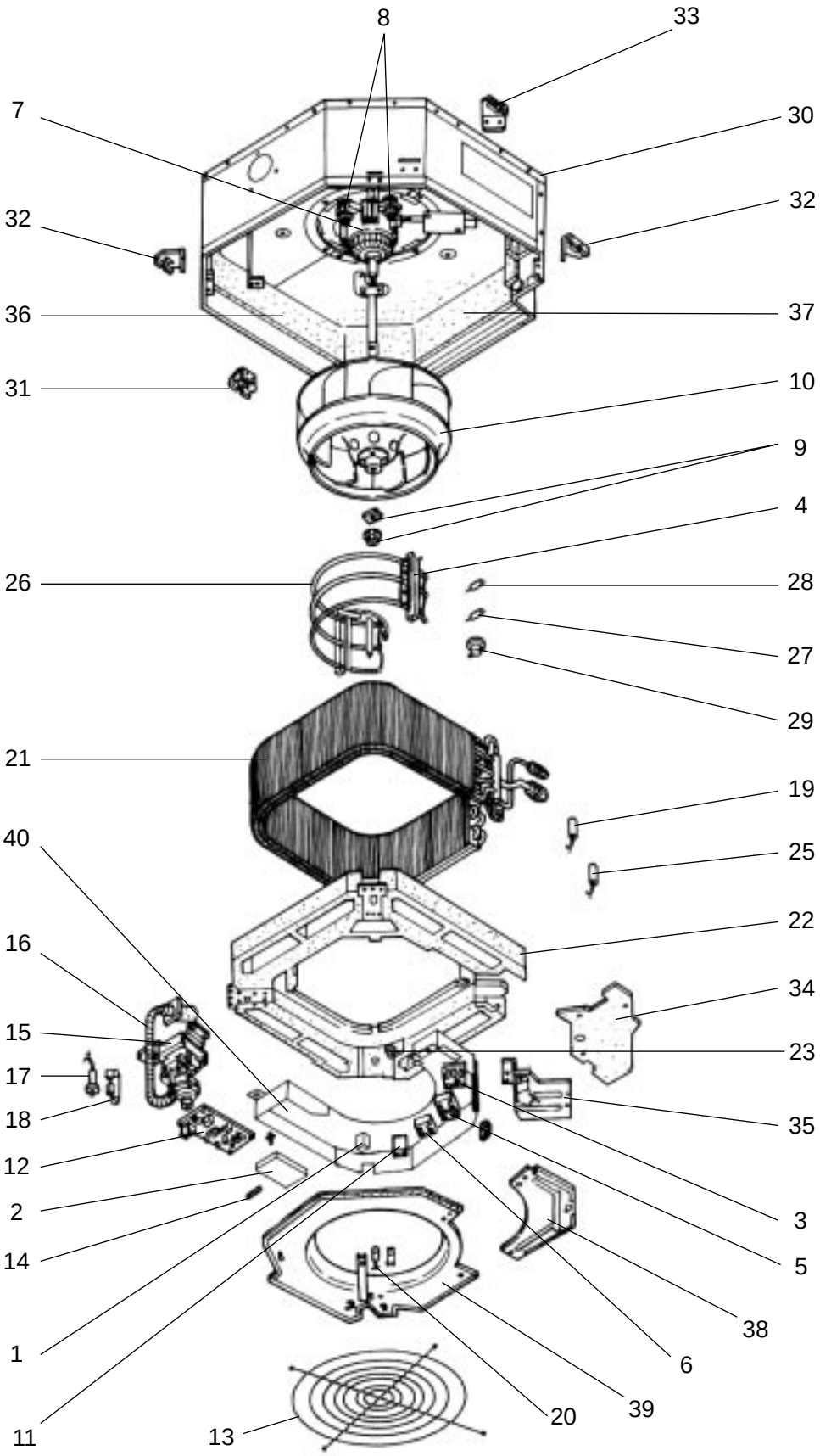
No.	Part No.	Part Name	Specification	Q'ty/set		Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				PLH- / PLA-					Unit	Amount
				P3KAH P3KA	P4KAH P4KA					
1	T7W E01 003	AIR OUTLET GRILLE		1	1					
2	R01 31K 500	AIR FILTER		1	1					
3	R01 31K 691	GRILLE ASSY		1	1					
4	R01 31K 061	HINGE		1	1					
5	T7W E02 049	REMOTE CONTROLLER COVER		1	1					
6	T7W E00 713	REMOTE CONTROLLER		1	1		R.B			
7	T7W A00 305	REMOTE CONTROLLER CABLE	10m	1	1					
8	R01 41K 054	GRILLE CATCH		1	1					
9	T7W E00 071	UNDER CASE		1	1					
10	—	GRILLE HANGER		1	1	(BG88H096H01)				

PANEL PARTS
PLH-P3KAH / PLA-P3KA
PLH-P4KAH / PLA-P4KA



No.	Part No.	Part Name	Specification	Q'ty/set PLH- /PLA- P3KAH P3KA	Q'ty/set PLH- /PLA- P4KAH P4KA	Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price Unit	Price Amount
1	R01 31K 002	AUTO VANE		4	4					
2	T7W E00 223	VANE MOTOR		1	1		MV			
3	R01 31K 063	SPRING JOINT		1	1					
4	R01 33K 063	SPRING JOINT		1	1					
5	R01 35K 063	SPRING JOINT		1	1					
6	R01 31H 063	SPRING JOINT(3)		1	1					
7	R01 31K 056	PUSH BUTTON		1	1					
8	R01 33K 054	SPRING JOINT HOLDER		1	1					
9	R01 31K 040	T.D PLATE ASSY		1	1					
10	R01 33K 040	T.D PLATE ASSY		1	1					
11	R01 35K 085	AIR GUIDE ASSY		1						
	R01 31K 085	AIR GUIDE ASSY			1					
12	R01 34K 087	AIR GUIDE ASSY		1						
	R01 32K 087	AIR GUIDE ASSY			1					
13	R01 37K 086	AIR GUIDE ASSY		1						
	R01 33K 086	AIR GUIDE ASSY			1					
14	T7W E01 088	AIR GUIDE ASSY		1						
	T7W E02 088	AIR GUIDE ASSY			1					
15	R01 31K 048	A.G SUPPORT		3	3					

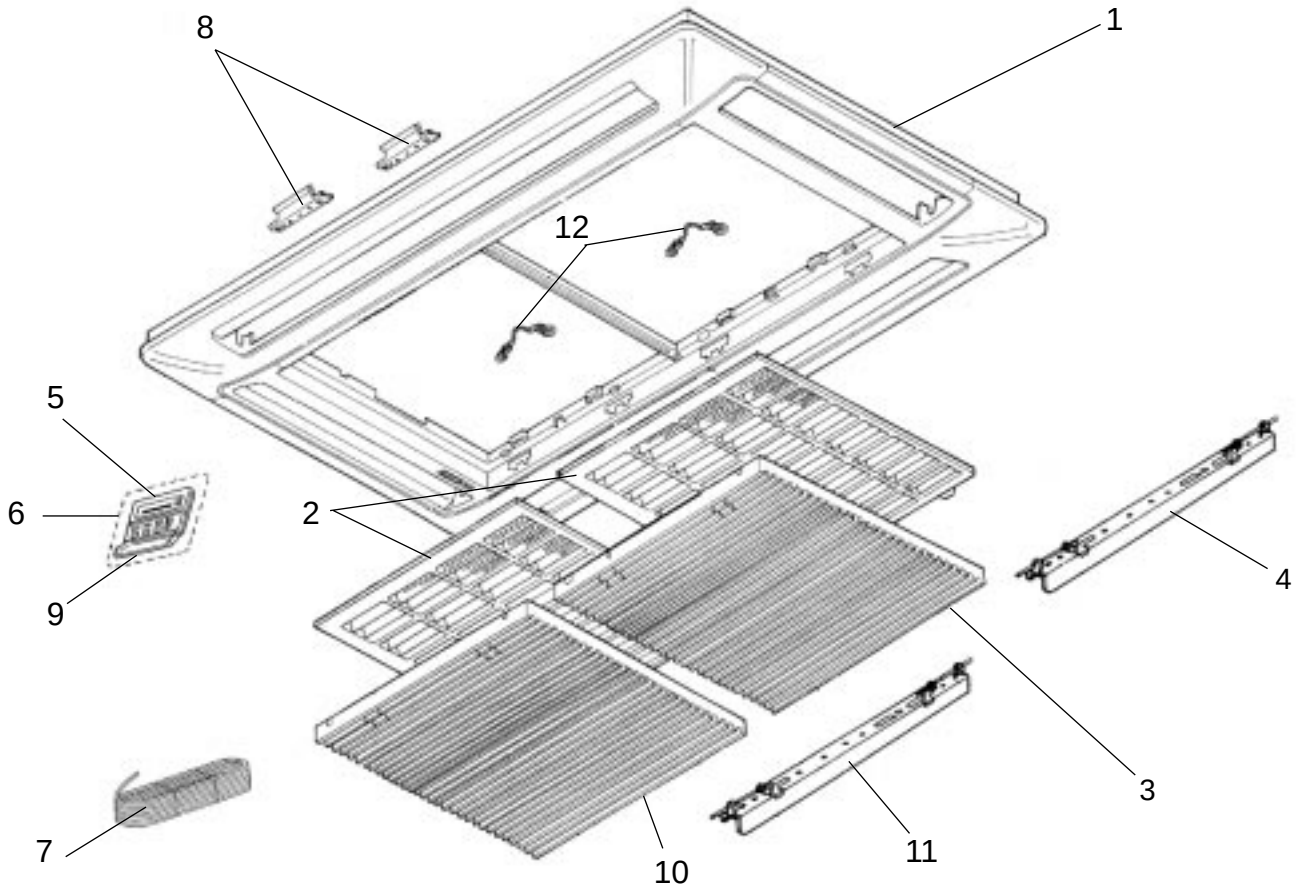
FUNCTIONAL PARTS
PLH-P3KAH / PLA-P3KA
PLH-P4KAH / PLA-P4KA



Part numbers that are circled are not shown in the figure.

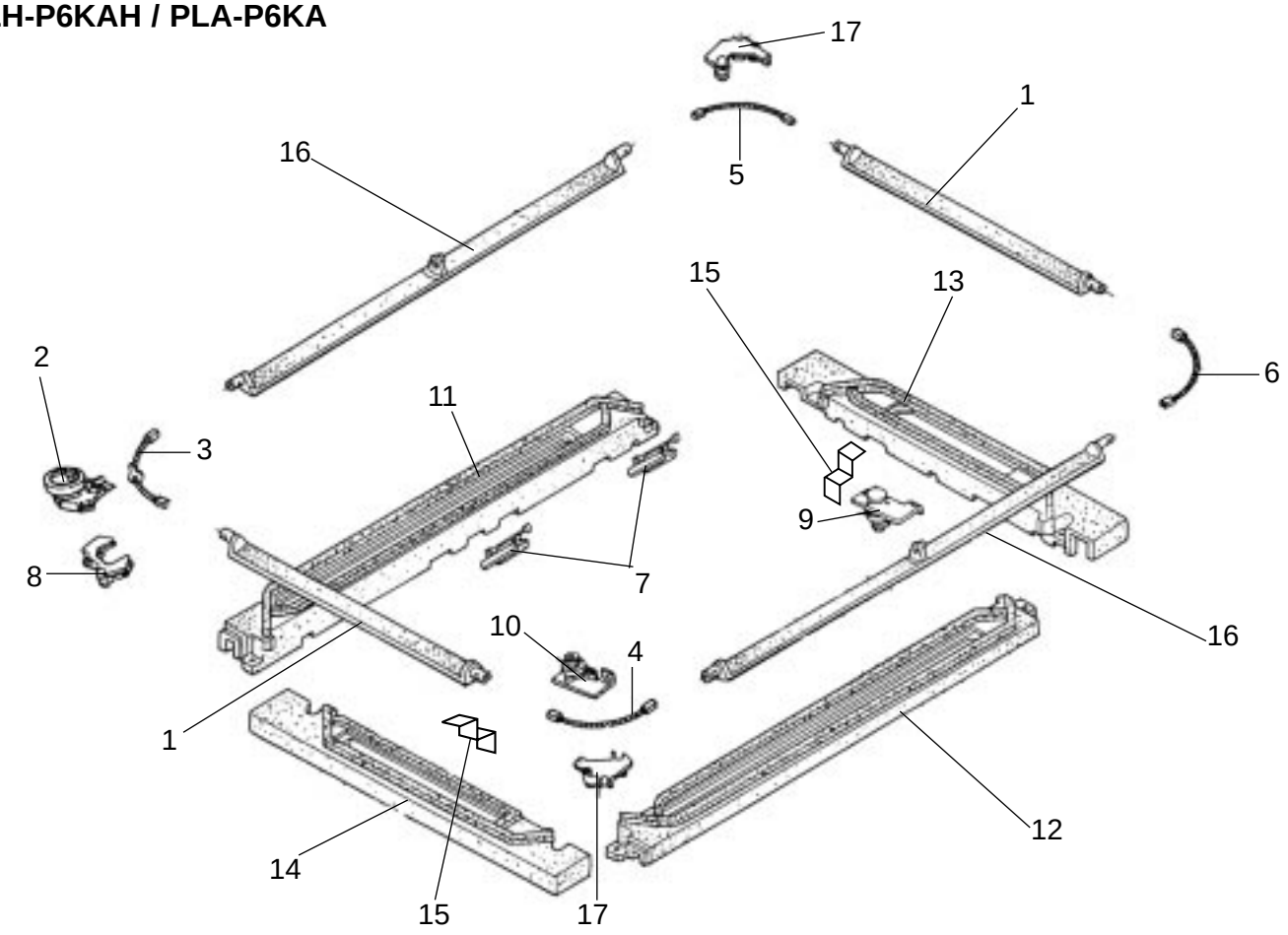
No.	Part No.	Part Name	Specification	Q'ty/set				Remarks (Drawing No.)	Wiring Diagram Symbol	Recom-mended Q'ty	Price	
				PLH-·KAH		PLA-·KA					Unit	Amount
				P3	P4	P3	P4					
1	R01 71G 215	RELAY	JC-1aF DC12V	1	1				88H			
2	T7W E01 313	POWER BOARD		1	1	1	1		P.B			
3	T7W A14 716	TERMINAL BLOCK	3P(L,N,⏚)	1	1				TB2			
4	R01 18J 303	INSULATOR		3	3							
5	T7W E01 716	TERMINAL BLOCK	3P(S1,S2,S3)	1	1	1	1		TB4			
6	T7W 515 716	TERMINAL BLOCK	2P(1,2)	1	1	1	1		TB5			
7	T7W E01 762	FAN MOTOR	D17A6P90MS		1		1		MF			
	T7W E05 762	FAN MOTOR	D17A6P70MS	1		1			MF			
8	R01 31K 105	MOTOR MOUNT		4		4						
	R01 43K 105	MOTOR MOUNT			4		4					
9	R01 08K 097	SPL WASHER		1	1	1	1					
10	R01 33K 114	TURBO FAN			1		1					
	R01 31K 114	TURBO FAN		1		1						
11	T7W E00 255	CAPACITOR	460V 4.0μF		1		1		C			
	T7W E01 255	CAPACITOR	460V 3.5μF	1		1			C			
12	T7W E05 310	CONTROLLER BOARD		1	1	1	1		I.B			
13	T7W E08 675	FAN GUARD		1	1	1	1					
14	T7W E00 239	FUSE	250V 4A	1	1	1	1		F1<P.B>			
15	T7W E00 355	DRAIN PUMP		1	1	1	1		DP			
16	R01 31K 523	DRAIN HOSE ASSY		1	1	1	1					
17	R01 31K 266	DRAIN SENSOR		1	1	1	1		DS			
18	R01 31K 241	SENSOR HOLDER		1	1	1	1					
19	T7W E09 202	CONDENSER / EVAPORATOR TEMPERATURE THERMISTOR		1	1	1	1		TH5			
20	T7W E10 202	ROOM TEMPERATURE THERMISTOR		1	1	1	1		TH1			
21	T7W E24 480	HEAT EXCHANGER		1		1						
	T7W E25 480	HEAT EXCHANGER			1		1					
22	R01 32K 529	DRAIN PAN ASSY		1	1	1	1					
23	R01 A48 524	DRAIN PLUG		1	1	1	1					
㉔	R01 W28 527	DRAIN HOSE		1	1	1	1					
25	R01 17J 202	PIPE TEMPERATURE THERMISTOR		1	1	1	1		TH2			
26	T7W E03 300	HEATER ELEMENT	700W 240V	3	3				H1			
27	T7W E00 706	THERMAL FUSE	77℃ 250V 15A	1	1				FS1			
28	R01 32K 706	THERMAL FUSE	77℃ 250V 15A	1	1				FS2			
29	R01 46K 700	THERMAL SWITCH	OFF50℃ ON35℃	1	1				26H			
30	—	BASE		1	1	1	1	(BG00R764G07)				
31	—	LEG		1	1	1	1	(BG00R699G06)				
32	—	LEG		2	2	2	2	(BG00R699G05)				
33	—	LEG		1	1	1	1	(BG00R700G03)				
34	—	CORNER COVER		1	1	1	1	(BG00R697G04)				
35	—	CORNER SUPPORT		1	1	1	1	(BG00R698G07)				
36	—	INNER ASSY		1	1			(BG00R894G16)				
	—	INNER ASSY				1	1	(BG00R894G17)				
37	—	INNER ASSY		1	1			(BG00R704G23)				
	—	INNER ASSY				1	1	(BG00R704G24)				
38	—	CONTROLLER COVER		1	1	1	1	(BG00H707G05)				
39		BELL MOUTH		1	1	1	1	(BG00N316G17)				
40		ELECTRICAL PARTS BOX		1	1	1	1	(BG00N308G20)				

PANEL PARTS
PLH-P5KAH / PLA-P5KA
PLH-P6KAH / PLA-P6KA



No.	Part No.	Part Name	Specification	Q'ty/set		Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				PLH- / PLA-					Unit	Amount
				P5KAH P5KA	P6KAH P6KA					
1	T7W E03 003	AIR OUTLET GRILLE		1	1					
2	R01 41K 500	AIR FILTER		2	2					
3	R01 41K 691	GRILLE ASSY		1	1					
4	R01 41K 061	HINGE ASSY		1	1					
5	T7W E00 071	UNDER CASE		1	1					
6	T7W E00 713	REMOTE CONTROLLER		1	1		R.B			
7	T7W A00 305	REMOTE CONTROLLER CABLE	10m	1	1					
8	R01 41K 054	GRILLE CATCH		2	2					
9	T7W E02 049	REMOTE CONTROLLER COVER		1	1					
10	R01 43K 691	GRILLE ASSY(R)		1	1					
11	R01 43K 061	HINGE ASSY		1	1					
12	—	GRILLE HANGER		2	2	(BG88H096H01)				

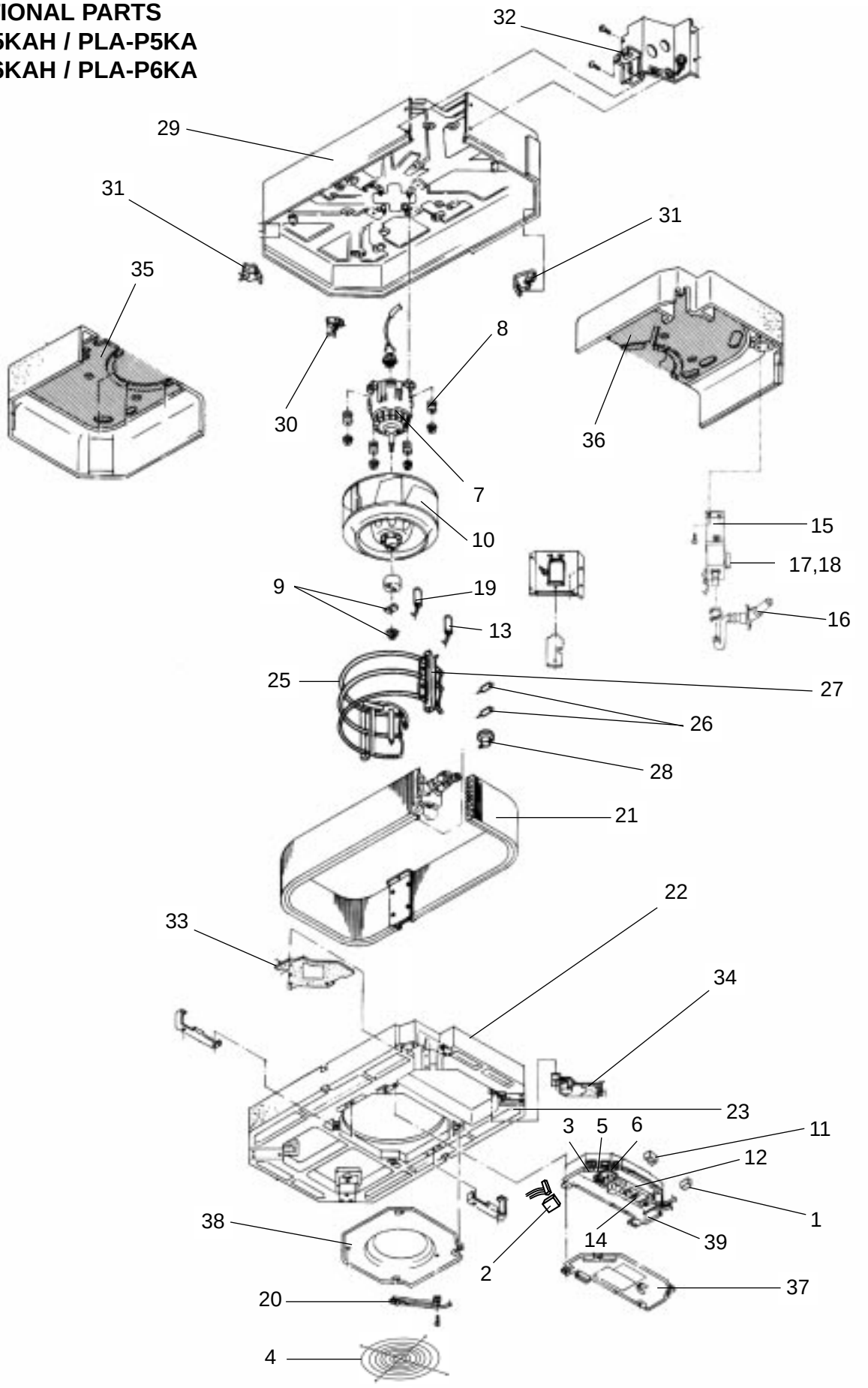
PANEL PARTS
PLH-P5KAH / PLA-P5KA
PLH-P6KAH / PLA-P6KA



Part numbers that are circled are not shown in the figure.

No.	Part No.	Part Name	Specification	Q'ty/set		Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				PLH- / PLA-					Unit	Amount
				P5KAH P5KA	P6KAH P6KA					
1	R01 31K 002	VANE		2	2					
2	T7W E00 223	VANE MOTOR		1	1		MV			
3	R01 31K 063	SPRING JOINT		1	1					
4	R01 33K 063	SPRING JOINT		1	1					
5	R01 35K 063	SPRING JOINT		1	1					
6	R01 31H 063	SPRING JOINT(3)		1	1					
7	R01 31K 056	PUSH BUTTON		2	2					
8	R01 33K 054	SPRING JOINT HOLDER		1	1					
9	R01 42K 040	T.D PLATE ASSY		1	1					
10	R01 44K 040	T.D PLATE ASSY		1	1					
11	R01 44K 085	AIR GUIDE ASSY		1	1					
12	R01 42K 086	AIR GUIDE ASSY		1	1					
13	R01 32K 087	AIR GUIDE ASSY		1	1					
14	T7W E02 088	AIR GUIDE ASSY		1	1					
15	R01 31K 048	A.G SUPPORT		2	2					
16	R01 41K 002	VANE		2	2					
17	R01 31K 054	S.J HOLDER		2	2					

FUNCTIONAL PARTS
PLH-P5KAH / PLA-P5KA
PLH-P6KAH / PLA-P6KA



Part numbers that are circled are not shown in the figure.

No.	Part No.	Part Name	Specification	Q'ty/set				Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				PLH-··KAH		PLA-··KA					Unit	Amount
				P5	P6	P5	P6					
1	R01 71G 215	RELAY	JC-1a DC12V	1	1				88H			
2	T7W E01 313	POWER BOARD		1	1	1	1		P.B			
3	T7W E01 716	TERMINAL BLOCK	3P(S1,S2,S3)	1	1	1	1		TB4			
4	T7W E08 675	FUN GUARD		1	1	1	1					
5	T7W A14 716	TERMINAL BLOCK	3P(L,N,⏚)	1	1				TB2			
6	T7W 515 716	TERMINAL BLOCK	2P(1,2)	1	1	1	1		TB5			
7	T7W E01 762	FAN MOTOR	D17A6P90MS	1	1	1	1		MF			
8	R01 43K 105	MOTOR MOUNT		4	4	4	4					
9	R01 08K 097	SPL WASHER		1	1	1	1					
10	R01 33K 114	TURBO FAN		1	1	1	1					
11	T7W E00 255	CAPACITOR	460V 4.0μF	1	1	1	1		C			
12	T7W E05 310	CONTROLLER BOARD		1	1	1	1		I.B			
13	R01 17J 202	PIPE TEMPERATURE THERMISTOR		1	1	1	1		TH2			
14	T7W E00 239	FUSE	250V 4A	1	1	1	1		F1<P.B>			
15	T7W E00 355	DRAIN PUMP		1	1	1	1		DP			
16	R01 31K 523	DRAIN HOSE ASSY		1	1	1	1					
17	R01 31K 266	DRAIN SENSOR		1	1	1	1		DS			
18	R01 31K 241	SENSOR HOLDER		1	1	1	1					
19	R01 07T 202	CONDENSER / EVAPORATOR TEMPERATURE THERMISTOR		1	1				TH5			
	T7W E09 202	CONDENSER / EVAPORATOR TEMPERATURE THERMISTOR				1	1		TH5			
20	T7W E10 202	ROOM TEMPERATURE THERMISTOR		1	1	1	1		TH1			
21	T7W E26 480	HEAT EXCHANGER		1		1						
	T7W E27 480	HEAT EXCHANGER			1		1					
22	R01 41K 529	DRAIN PAN		1	1	1	1					
23	R01 A48 524	DRAIN PLUG		1	1	1	1					
(24)	R01 W28 527	DRAIN HOSE		1	1	1	1					
25	T7W E04 300	HEATER ELEMENT	1,000W 240V	3	3				H1			
26	T7W E00 706	THERMAL FUSE	77℃ 250V 15A	2	2				FS1,2			
27	R01 18J 303	INSULATOR		3	3							
28	R01 069 700	THERMAL SWITCH	OFF42℃ ON32℃	1	1				26H			
29	—	BASE		1	1	1	1	(BG00R765G03)				
30	—	LEG		1	1	1	1	(BG00R699G06)				
31	—	LEG		2	2	2	2	(BG00R699G05)				
32	—	LEG		1	1	1	1	(BG00R700G03)				
33	—	CORNER COVER		1	1	1	1	(BG00R697G04)				
34	—	CORNER SUPPORT		1	1	1	1	(BG00R698G07)				
35	—	INNER ASSY		1	1			(BG00R999G10)				
	—	INNER ASSY				1	1	(BG00R999G11)				
36	—	INNER ASSY		1	1			(BG00R998G14)				
	—	INNER ASSY				1	1	(BG00R998G15)				
37	—	CONTROLLER COVER		1	1	1	1	(BG00R733G07)				
38	—	BELL MOUTH		1	1	1	1	(BG00N316G15)				
39	—	ELECTRICAL PARTS BOX		1	1	1	1	(BG00R730G07)				

11 OPTIONAL PARTS

1. TIMER

Part No.	PAC-SC32PTA (with set back function)
Model Name	Program timer

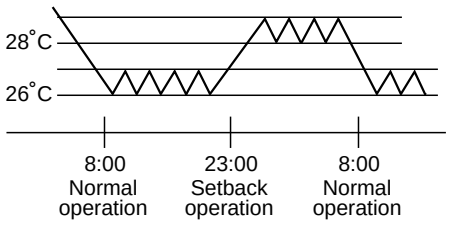
1-1 Program timer specifications

Part name	Program timer
Parts No.	PAC-SC32PTA
Exterior dimensions (inch)	5-4/32X4-23/32X23/32 (130X120X18mm)
Installation	Wall mount
Type of clock	Quartz
Clock accuracy	±50 second / month at 25°C
Display-Time	Liquid crystal display
-Week	Liquid crystal display
-Timer setting unit	Liquid crystal display
Program cycle	24 hours
Timer setting unit	30 minutes
No. of set points	48 / day
Power rating	5V DC ±5% (Supplied by Remote Controller)

1-2 Feature of program timer

(1) Daily timer function
Daily timer can be set in 30 minutes units for up to 24 hours.
Each unit can be set for unit ON, unit OFF, or setback operation.

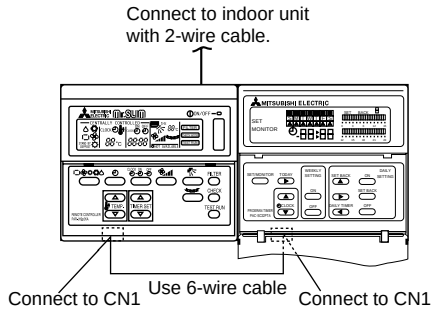
(2) Setback operation
Set back operation is useful for reducing running costs
e.g. At a hotel with a 24-hour system
8:00~23:00 Cooling operation with set temperature at 26°C
23:00~8:00 Setback operation with 2 degrees of setback
As shown in the chart on the right, the set temperature rises 2 degrees automatically during the setback operation. When the setback operation ends, normal operation will begin.



(3) Weekly timer function
Daily timer function can apply to each day of the week.

1-3. How to connect program timer

(1) Install the program timer next to the remote controller the same way as the remote controller is installed.
(2) Connect the program timer and the remote controller with a 6-wire cable as shown in the figure below



NOTE:While the program timer is connected to the remote controller, the 24hour ON/OFF timer on the remote controller will not operate.

1-4. Names and functions

<PAC-SC32PTA>

WEEKLY TIMER SETTING DISPLAY

Used for selection of if or not the day operation pattern set by PATTERN SETTING is to be applied in weekly day unit, setting.

CURRENT TIME DISPLAY

During MONITOR status,current time is display.
During Daily timer setting, a time desire for timer setting is displayed.

SET BACK DISPLAY

Indicates the setting set back range.

DAILY TIMER SETTING DISPLAY

24 hours is divided into 48 blocks and each block express 30 minutes.
The block display consists of 3 pattern.

Set back can be done in the range of 1,2,4,6 and 8°C.

SET BACK SETTING SW

Used for set back setting.

SET/MONITOR DISPLAY

During SET is display, clock adjustment, change of weekly day, daily and weekly timer setting can be performed.
During MONITOR is display, all switches except SET/MONITOR SW are invalidated. This is normal status.

ON/SET BACK/OFF SW

Used to specify the time setting pattern.

WEEK DAY SETTING SW

Used for week day setting.

DAILY TIMER SW

Used for timer setting in 30 minutes unit.

MODE SELECTOR SW

Using this switch select “MONITOR” or “SET” Mode.

“MONITOR” :Indicates the current timer setting. All switch expect MODE SELECTOR SW are invalidated then.This is the normal status.
“SET”: Set to “SET” mode for clock adjustment, charge of week day, daily and weekly timer setting.

CLOCK ADJUSTMENT SW

Used for adjustment of the current time.

Push ▲ SW to advance the time. Each time the button is pushed the time advance by 1 minute, pushing continuously advances by 1 minute at 0.5 second interval, and when the lower digit of minute becomes 0 indication advances in 10 minutes unit.
▼ SW is used for reversing the time. Each time the button is pushed the time reverses by 1 minute, pushing continuously reverses the time by 1 minute at 0.5 second interval, and when the lower digit of minute becomes 0 indication reverses in 10 minutes unit.

WEEKLY TIMER SW

Used for setting timer in day of week unit.

Pushing ▶ SW moves the week day light display in order of
S → M → T → W ⋯
enabling to set the week day.

2. Wide Panel

Part No.	PAC-SE06WP-E
Applied Service Ref.	PLH-P1.6 / 2 / 2.5KAH, PLA-P1.6 / 2 / 2.5KA

3. Space Panel

Part No.	PAC-SE01AS-E	PAC-SE60AS-E	PAC-SE61AS-E
Applied Service Ref.	PLH-P1.6 / 2 / 2.5KAH PLA-P1.6 / 2 / 2.5KA	PLH-P3 / 4KAH PLA-P3 / 4KA	PLH-P5 / 6KAH PLA-P5 / 6KA

4. Multi-Functional Casement

Part No.	PAC-SE21TM-E	PAC-SE66TM-E	PAC-SE67TM-E
Applied Service Ref.	PLH-P1.6 / 2 / 2.5KAH PLA-P1.6 / 2 / 2.5KA	PLH-P3 / 4KAH PLA-P3 / 4KA	PLH-P5 / 6KAH PLA-P5 / 6KA

5. High-Efficiency Filter Element

Part No.	PAC-SE13KF-E	PAC-SE64KF-E	PAC-SE65KF-E
Applied Service Ref.	PLH-P1.6 / 2 / 2.5KAH PLA-P1.6 / 2 / 2.5KA	PLH-P3 / 4KAH PLA-P3 / 4KA	PLH-P5 / 6KAH PLA-P5 / 6KA

6. Grille + Wireless Remote Controller

Part No.	PLP-2.5KAL-E	PLP-3KAL-E	PLP-4KAL-E	PLP-6KAL-E
Applied Service Ref.	PLH-P1.6 / 2 / 2.5KAH PLA-P1.6 / 2 / 2.5KA	PLH-P3KAH PLA-P3KA	PLH-P4KAH PLA-P4KA	PLH-P5 / 6KAH PLA-P5 / 6KA

7. Remote Sensor

Part No.	PAC-SE41TS-E
Applied Service Ref.	PLH-P1.6 / 2 / 2.5 / 3 / 4 / 5 / 6KAH, PLA-P1.6 / 2 / 2.5 / 3 / 4 / 5 / 6KA

8. Remote Operation Adapter

Part No.	PAC-SF40RM-E
Applied Service Ref.	PLH-P1.6 / 2 / 2.5 / 3 / 4 / 5 / 6KAH, PLA-P1.6 / 2 / 2.5 / 3 / 4 / 5 / 6KA

9. Remote ON/OFF Adapter

Part No.	PAC-SE55RA-E
Applied Service Ref.	PLH-P1.6 / 2 / 2.5 / 3 / 4 / 5 / 6KAH, PLA-P1.6 / 2 / 2.5 / 3 / 4 / 5 / 6KA

Mr.SLIM™

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